



IRCON INTERNATIONAL LIMITED

(A GOVT. OF INDIA UNDERTAKING)

An Integrated Engineering and Construction Company



23

Jammu Office:

Satyam Complex, P.O. Samik Colony,
Jammu-180 011
Tel: 0191-2484812, Fax: 0191-2484812

Project Office:

Railway Holiday Home,
Opposite Bakshi Stadium
Tulabagh, Srinagar-190001, (J&K)

No: IRCON/ELECT/5021/RE.USBRL/TSS/7

DATE:13.03.2023

M/s TZ Engineering Works,
Nawa Kadal,
Srinagar, Jammu and Kashmir.

(LETTER OF ACCEPTANCE)

Sub: **Supply, Erection, testing commissioning of 25 kV additional Bay at TSS Budgam for feeding 25kV SSP at Budgam Yard, Conversion of Overhead Feeders 11/33kV line into underground Cables for the purpose of clearing of infringement for 25kV outgoing feeder of TSS Budgam and OHE portal clearance near ROB Railway Station at Budgam on Srinagar side end and Construction of Retaining wall around TSS Budgam for prevention of Soil erosion.**

Ref: 1. e-Nit No. IRCON/ELECT/5021/RE.USBRL/TSS/7; dated-03/02/2023.

Reference above, the competent authority for and on behalf of IRCON International Limited is pleased to accept your offer for the work of 'Supply, Erection, testing commissioning of 25 kV additional Bay at TSS Budgam for feeding 25kV SSP at Budgam Yard, Conversion of Overhead Feeders 11/33kV line into underground Cables for the purpose of clearing of infringement for 25kV outgoing feeder of TSS Budgam and OHE portal clearance near ROB Railway Station at Budgam on Srinagar side end and Construction of Retaining wall around TSS Budgam for prevention of Soil erosion':

- 1) **Total Price:** Detailed Bill of Quantity (BOQ) is attached as Annexure-A and as per Annexure-A total value of the order is coming out to Rs. 1,79,98,914.19/- (Rupees One Crore Seventy Nine Lakhs Ninety Eight Thousand Nine Hundred and fourteen and Nineteen Paise only).
- 2) **Taxes, Duties & Levies etc.:** The contract prices indicated in Annexure-A is inclusive of all types of taxes, duties and levies imposed by Central/State Govt. and local bodies such as IGST/CGST/SGST/UTGST, Compensation Cess, Labour Cess, Custom duty, royalties and other levies and shall be governed in accordance with clause no. 13.0 of Special Condition of Contract (SCC) of the Tender Document.
- 3) **Date of Commencement of the Contract:** Date of issue of this Letter of Acceptance shall be treated as the date of commencement of the contract.
- 4) **Completion Period:**
The work is required to be completed within 4(Four) months from the date of issue of Letter of Acceptance (LOA) as per completion schedule mentioned in clause no. 16 of Special Conditions of Contract. In case of any delay in the completion period, the extension of the same shall be dealt as per clause no. 17 (A) & 17(B) of Indian Railways Standard General Conditions of the Contract, July-2020.

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13/3/23

Registered Office: C-4, District Centre, Saket, New Delhi 110 017, INDIA
Tel: +91-11-29545666, FAX: +91-11-26854000, 26522000 E-mail: info@ircon.co
(CIN-145203DL1976G01008171)

M/s T.Z
Engine



Jammu Office:

Satyam Complex, P.O. Satnam Colony,
Jammu-180 011
Tel: 0191 2484842 Fax: 0191 2484812

Project Office:

Railway Holiday Home,
Opposite Bakshi Stadium,
Tulsi Bagh, Srinagar-190001, (J&K)

5) Payment Terms:

The payment terms shall be dealt under clause no. 20 of Special Conditions of Contract. The documents required for release of payment shall be provided as per clause no. 22 of Special Conditions of Contract.

6) On Account Payments:

On-Account payments shall be dealt under clause no. 46 of Indian Railways Standard General Conditions of the Contract, July-2020.

7) Mode of Payment and Tax Deduction at Source:

Mode of payment and TDS shall be dealt under clause no. 24 of Special Conditions of Contract.

8) Quantity Variation:

Quantity variation to be dealt with as per SCC clause no 50.

a. Quantities given in the BOQ are approximate. IRCON reserves the right to increase/decrease/delete any item of work as per site requirement.

b. Quantities variation is applicable in line with clause no. 42 of Indian Railway GCC (Latest).

9) Price Adjustment:

The prices shall be "FIRM" and hold good till completion of the work. Price variation not applicable.

10) Security of Installations:

The contractor shall be held responsible for security of installations from theft/damage till handing over of the installations to the Railway Authority and no extra payment shall be paid against this account, as per clause no. 33 of Special Conditions of Contract.

11) Performance Security & Retention Money:

In terms of clause no. 27 of Special conditions of contract, M/s TZ Engineering Works shall submit Performance Security amounting to 3% of contract value i.e. Rs. 5,39,967.42/- (Rupees Five Lakhs Thirty Nine Thousand Nine Hundred and Sixty Seven and Forty two paise only) in the form of irrevocable Bank Guarantee from a schedule bank in India within 30 days of issue of this LOA to 'The Additional General Manager (Electrical), IRCON International Ltd, RE USBRL Project, Railway Holiday Home, Behind Bakshi Stadium, Tulsi Bagh, Srinagar-190009 (J&K)'. The performance Guarantee shall be initially valid up to the stipulated date of completion plus 60 days beyond that.

12) Insurance:

Insurance cover shall be dealt under clause no. 35 of Special conditions of contract.

13) Defect Liability Period:

Defect Liability Period shall be governed by clause no. 52 of Special Conditions of Contract.

For
M/s TZ ENGINEERING WORKS
Engineers
Order Suppliers

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12/03/2023

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IRCON INTERNATIONAL LIMITED
(A GOVT. OF INDIA UNDERTAKING)
An Integrated Engineering and Construction Company



Jammu Office:

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Project Office:

Railway Holiday Home,
Opposite Bakshi Stadium
Tulsi Bagh, Srinagar-190001, (J&K)

14) Quality Management System (QMS):

Implementation of Quality Management System shall be governed by clause no. 55 of Special Conditions of Contract.

15) Safety, Health and Environmental Management System (SHE):

Implementation of Safety, Health & Environment Management System shall be governed by clause no. 55 of Special Conditions of Contract.

16) Clearing Of Work Site:

The contractor shall arrange clearing of work site and associated work as per clause no. 47 of Special Conditions of Contract.

17) Contract Agreement:

In terms of clause no. 31 of Special Conditions of Contract (SCC), M/s TZ Engineering Works shall enter into a Contract Agreement with 'The Additional General Manager (Electrical), IRCON International Ltd, RE USBRL Project, Railway Holiday Home, Behind Bakshi Stadium, Tulsi Bagh, Srinagar-190009 (J&K)', within 28 days of issue of this LOA along with project organizational structure, method statement, construction & commissioning schedule, Quality assurance plan and SHE policy as per clause no. 55 of the Special Conditions of Contract.

The rates awarded for this work shall be applicable as reference for only Kashmir valley area.

This letter will constitute a legal and binding contract between IRCON and M/s TZ Engineering Works. till such time the formal contract agreement is signed.

This LOA is a brief of essential conditions of the tender. For details, original tender document and corrigendum thereto may be referred. All terms & conditions shall be as per the tender document & subsequent corrigendum's issued.

This Letter of Acceptance is being issued in duplicate. You are requested to return one copy duly signed and stamped in token of your acceptance at the earliest.

For & on behalf of

IRCON International Limited

(Signature)
(Abd Amin Shah)

Additional General Manager (Electrical)

For
M/s T.Z. ENGINEERING WORKS
Engineers, Contractors & General
Order Suppliers

Copy to DGM/F/RE.

Registered Office: C-4, District Centre, Saket, New Delhi 110 017, INDIA
Tel: +91-11-29565666, FAX: +91-11-26854000, 26522000 E-mail: info@ircon.co.in
(CIN 14520 JD11976G01008121)



IRCON INTERNATIONAL LIMITED (A Govt. of India Undertaking)			
PRICE BID/BILL OF QUANTITY			
Name Of The Work		Supply, Erection, testing commissioning of 25kV additional Bay at TSS Budgam for feeding 25kV SSP at Budgam Yard, Conversion of Overhead Feeders 11/33kV line into underground Cables for the purpose of clearing of infringement for 25kV outgoing feeder of TSS Budgam and OHE portal clearance near ROB Railway Station at Budgam on Srinagar side end and Construction of Retaining wall around TSS Budgam for prevention of Soil erosion	
e-Procurement Notice No		IRCON/ELECT/5021/RE USBRL/TSS/07, Date:03.02.2023	
Name of the Bidder			
S.N	Work Description	Estimated Cost	Quoted Price
1	2	3	4
1	Supply, Erection, testing commissioning for construction of 25 KV additional Bay at TSS Budgam for 25 KV SSP at Budgam Yard, Conversion of Overhead Feeders 11/33 KV line into underground Cables for the purpose of clearing of infringement for 25kv outgoing feeder of TSS Budgam and OHE portal clearance near ROB Railway Station at Budgam on Srinagar side end and Construction of Retaining wall around TSS Budgam for prevention of Soil erosion.	1,40,97,335.20	
	Contractor's Percentage (below/above/at par) over the total basic cost to be quoted	Above	
	Percentage (%)	8.2	
	Total Price (Rs)	1,40,97,335.20	15253316.69
	GST @18%	25,37,520.34	2745597.004
	Total Price inclusive of GST (Rs)	1,66,34,855.54	1,79,98,914.19
	Total quoted price inclusive GST (Rs.) in Words (in Rs.)	Rs. One Crore Seventy Nine lakhs Ninety Eight Thousand Nine Hundred and Forteen and paise nineteen Only.	

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13/2/2023

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For
M/s T.Z. ENGINEERING WORKS
Engineers, Contractors & General
Order Suppliers



अथर्व

BILL OF QUANTITIES

(BOQ)



For: **STZ**
 Date: **10/10/2012**
 Time: **10:00 AM**
 By: **[Signature]**
 Title: **Director & General Manager**

NAME OF THE WORK: Supply, Erection, testing commissioning for construction of 25 KV additional Bay at TSS Budgam for 25 KV SSP at Budgam Yard Conversion of Overhead Feeders 11/33 KV line into underground Cables for the purpose of clearing of infringement for 25kv outgoing feeder of TSS Budgam and OHE portal clearance near ROB Railway Station at Budgam on Srinagar side end and Construction of Retaining wall around TSS Budgam for prevention of Soil erosion.

Sr. No.	Item Description	Unit	Qty.	Rate (Rs.)			Amount (Rs.)		
				Supply	Erection	Supply and Erection	Supply	Erection	Supply and Erection
	DSR items								
1	Earth work in excavation by mechanical means (Hydraulic excavator) manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including setting out and disposal of excavated earth lead upto 50 m and less upto 1.5 m, as directed by Engineer-in-charge.	cum	175			183.44			12101.50
2	Providing and laying in position ready mixed or site batched design mix concrete for plain cement concrete work using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana/Ordinary Portland / Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing as per direction of the engineer-in-charge; for the following grades of concrete: Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. All works under earth level.								
a	Concrete of M15 grade with minimum cement content of 240 kg / cum	CUM	66.17			8747.46			578910.12
b	Concrete of M25 grade with minimum cement content of 275 kg / cum	CUM	44.58			9120.05			406800.14

Sr. No.	Item Description	Unit	Qty.	Rate (Rs.)			Amount (Rs.)		
				Supply	Erection	Supply and Erection	Supply	Erection	Supply and Erection
3	Centering and shuttering including strutting, propping etc. and removal of form for								
a	Foundations, footings, bases of columns, etc. for mass concrete	Sq. Mtr	365			274.96			1,00,358.71
b	Columns, Pillars, Piers, Abutments, Posts and Struts	Sq. Mtr	110			718.08			78,988.84
4	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	3570			80.04			2,85,759.38
5	Construction of granular sub-base by providing close graded Material conforming to specifications, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge. With material conforming to Grade-III (size range 26.5 mm to 0.075 mm)..	CUM	15.00			2,332.99			34,994.87
6	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. behind the walls	CUM	45			226.74			10,203.35
7	Dry stone pitching 22.5 cm thick including supply of stones and preparing surface complete.	sqm	360			733.88			2,64,198.21
72	Total DGR ITEM WITHOUT GST								17,92,290.17

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2227

13/5/23

Sr. No.	Item Description	Unit	Qty.	Rate (Rs.)			Amount (Rs.)		
				Supply	Erection	Supply and Erection	Supply	Erection	Supply and Erection
NON SCHEDULE ITEMS :									
8	Supply & erection of various types of connectors, bus splices, TFE connectors etc required for commissioning of TSS.	Each	50.00	1,663.39	20.54	-	83,169.64	1,026.79	84,196.43
9	Design and drawings, Schematic, GAD, Foundation layout, Cable trench layout, Cable run layout, Earthing layout, Structure and busbar layout, Feeding post drawings like foundation, structure, cross feeders, earthing etc.,	Each	1.00	-	14,076.35	-	-	14,076.35	14,076.35
10	Supply, erection, testing of circuit breaker with interlocking of rating 1600 amps.	Each	1.00	4,21,713.39	4,989.29	-	4,21,713.39	4,989.29	4,26,702.68
11	Supply erection of current transformer of suitable rating as per RDSO specifications.	Each	1.00	76,578.57	656.25	-	76,578.57	656.25	77,234.82
12	Supply & erection of tubular aluminum bus bars 50mmx39mm dia	Mtr	32.00	1,316.96	52.68	-	42,142.86	1,685.71	43,828.57
13	Supply & erection of copper jumpers with fittings, fasteners & connectors required for TSS.	Each	3.00	3,325.89	459.82	-	9,977.68	1,379.46	11,357.14
14	Supply & erection of 25KV support insulators with fittings & fasteners.	Each	4.00	4,084.82	153.57	-	16,339.29	614.29	16,953.57
15	Supply & erection of GI earth electrode	Nos	2.00	2,616.96	1,019.64	-	5,233.93	2,039.29	7,273.21
16	Supply & erection of earth leads 75x8 MS flat laid in earth or exposed as per site requirement.	Mtr	50.00	185.71	53.57	-	9,285.71	2,678.57	11,964.29
17	Supply & erection of earth leads 50x6 MS flat laid in earth or exposed as per site requirement.	Mtr	290.00	90.18	42.86	-	26,151.79	12,428.57	38,580.36
18	Supply & erection of earth screen wire including termination.	Mtr	80.00	233.93	41.61	-	18,714.29	928.57	19,642.86
19	Supply erection of Double pole Isolator with insulators of suitable rating as per RDSO specs.	Each	2.00	88,427.68	2,816.07	-	1,76,855.36	5,632.14	1,82,487.50
20	Supply erection of 25KV single pole Isolator with insulators of suitable ratings as per RDSO specs.	Each	2.00	48,894.64	2,816.07	-	97,789.29	5,632.14	1,03,421.43

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WORKS
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Sr. No.	Item Description	Unit	Qty.	Rate (Rs.)			Amount (Rs.)		
				Supply	Erection	Supply and Erection	Supply	Erection	Supply and Erection
21	Supply & erection of GI pipe class B 50mm dia	Mtr	25.00	408.93	64.29		10,223.21	1,607.14	11,830.36
22	Supply and erection of 25kv vacuum Interruptor	Each	2.00	3,56,639.29	4,076.79		7,13,278.57	8,153.57	7,21,432.14
23	Supply, erection, testing and commissioning of Potential Transformer assembly Type- I or Type - II.	Each	2.00	72,673.21	767.86		1,45,346.43	1,535.71	1,46,882.14
24	Supply & erection of 42kv Lighting arrester with surge monitor, counter, cable etc as per RDSO specs.	Each	1.00	26,207.14	537.50		26,207.14	537.50	26,744.64
25	Supply, installation of cables			183.00	14.00		-	-	-
i	2CX2.5CU (PVC Unarmored)	Mtr	262.00	202.68	16.07		53,101.79	4,210.71	57,312.50
ii	7CX2.5CU (PVC Unarmored)	Mtr	355.00	202.68	16.07		71,950.89	5,705.36	77,656.25
iii	2CX4.CU (PVC Unarmored)	Mtr	73.00	202.68	16.07		14,795.54	1,173.21	15,968.75
26	Erection, testing, oil filtration of 25 KV/240 V, 25kVA Auxiliary transformer with DO fuse, anti climbing devise, pedestal insulators, copper jumpers etc,	Nos					-	-	-
27	Supply & erection of GI steel for all types of structures, small parts steel etc.,	MT	4.73	92,598.21	3,111.61		4,37,989.55	14,717.90	4,52,707.46
28	Extra for erection Manually	MT	4.73	-	1,556.25		-	7,361.06	7,361.06
29	Supply & erection of copper strips for equipment earthing with all fittings & fasteners.	Mtr	5.00	1,375.00	145.54		6,875.00	727.68	7,602.68
30	Supply, erection, testing and commissioning of control & relay panel	No..	1.00	###	12,880.36		14,40,677.68	12,880.36	14,53,558.04
31	Dismantelling RCC works manually by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 mtr as per direction of Engineer incharge.	CUM	8.00		4,564.29		-	36,514.29	36,514.29
32	Dismantelling of Traction structure, portals, TTC & associated SPS by cutting.	MT	8.00		2,544.64		-	20,357.14	20,357.14
33	Erection of all type of Galvanised steel structure small parts steel.	MT	2.10		3,111.61		-	6,534.38	6,534.38
34	Extra on Erection by Manual Means	MT	2.10		1,556.25		-	3,268.13	3,268.13
35	Re-erection of Equipment								
36	25KV Breaker	No.s	1004	of 10	4,989.29			4,989.29	4,989.29

Sr. No.	Item Description	Unit	Qty.	Rate (Rs.)			Amount (Rs.)		
				Supply	Erection	Supply and Erection	Supply	Erection	Supply and Erection
36	25 KV Capacitor Bank	No.s	1.00		51,376.79		-	51,376.79	51,376.79
	25 KV Series Reactor								-
	25 KV NCT								-
37	25 KV PI	No.s	3.00		153.57		-	460.71	460.71
38	25 KV SPI	No.s	1.00		2,816.07		-	2,816.07	2,816.07
39	25 KV DPI	No.s	1.00		2,816.07		-	2,816.07	2,816.07
40	25 KV LA	No.s	1.00		416.07		-	416.07	416.07
41	25 KV CT	No.s	1.00		3,873.21		-	3,873.21	3,873.21
42	25 KV PT	No.s	1.00		767.86		-	767.86	767.86
43	Supply, Erection testing Commissioning following Steel tubular poles. In cement Concrete Job includes loading Transportation, unloading and manual carriage at site , Excavation of Pit, pole Painting and Danger Plate complete Job								
a	9Mtr ST poles (41OSP-33)	No.s	10	-	-	19,680.68			1,96,806.80
b	11Mtr ST poles (41OSP-56)	No.s	2	-	-	28,946.66			57,893.32
c	Supply Fabrication erection Testing and Commissioning of 150 MM MS pipe 6 Mtr Long with Basde Plate along with concreting	No.s	2	-	-	23,888.61			47,777.22
44	Supply , Fabrication and erection of steel of All sorts and dimensions for Pole clamps, Channels, angles etc.	Kg	3200	-	-	134.64			4,30,848.00
45	Supplying and erection of 800 Amp Three Pole Double Break 33 KV Isolator along with GI Pipes, Operating handle complete , G.I. bolts, nuts, washers etc. as required.	Set	1	-	-	48,559.50			48,559.50
46	Supplying and erection of 800 Amp Three Pole Double Break 11 KV Isolator along with GI Pipes ,Operating handle complete t, G.I. bolts, nuts, washers etc. as required.	Set	4	-	-	32,373.00			1,29,492.00

Sr. No.	Item Description	Unit	Qty.	Rate (Rs.)			Amount (Rs.)		
				Supply	Erection	Supply and Erection	Supply	Erection	Supply and Erection
47	Supplying and erection of 11KV Gang operated air-break Switch complete with operation mechanism and pipe & Rods.	Set	2	-	-	9,288.65			18,577.30
48	Supply erection testing and commissioning of 11kV Polymeric composite Pin Insulator 12kV, 5kN, Lighting Impulse 75kV Positive and 80kV Negative, creepage distance 320mm etc. as required.	No's.	12	-	-	219.12			2,629.44
49	Supply erection testing and commissioning of 33kV Polymeric composite Pin Insulator 36kV, 10kN, Lighting Impulse 170kV Positive and 180kV Negative, creepage distance 900mm etc. as required.	No's.	3	-	-	566.28			1,698.84
50	Supplying and erection 11kV Polymeric composite Disc Insulator 12kV, min failing load 45kN, Lighting Impulse 75kV Positive and 80kV Negative, creepage distance 320mm etc. as required.	No's.	12	-	-	603.24			7,238.88
51	Supplying and erection of 33kV Polymeric composite Disc Insulator 36kV, min failing load 70kN, Lighting Impulse 170kV Positive and 180kV Negative, creepage distance 900mm etc. as required.	No's.	3	-	-	1,211.76			3,635.28
52	Supply installation / laying of testing Commission of following sizes cable including excavation of trenches, and back filling and protective covering			-	-				-
a	3 Core , 400 sqmm 33 KV Grade XLPE aluminium, armoured XLPE cable.	Mtr's	394			5,917.59			23,31,530.46
b	3 Core , 120 sqmm 11 KV Grade XLPE aluminium, armoured XLPE cable.	Mtr's	145			2,557.96			3,70,904.20
c	3Core ,400 sqmm 11 KV Grade XLPE aluminium, armoured XLPE cable.	Mtr's	525			6,167.49			32,37,932.25
d	Dismantalling existing cable 11 KV 3 core 400 sqmm	Mts	100			198.73			19,873.00
	Dismantalling existing cable 33 KV 3 core 400 sqmm	Mts	120			194.15			23,298.00

Sr. No.	Item Description	Unit	Qty.	Rate (Rs.)			Amount (Rs.)		
				Supply	Erection	Supply and Erection	Supply	Erection	Supply and Erection
53	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required :								-
a	3 core 400 sq. mm.	Set	8			9,253.58			74,028.64
b	3 core 120 sqmm.	Set	2			8,128.79			16,257.58
54	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core x400 sqmm XLPE aluminium conductor cable of 33 KV grade as required								-
a	3 core 400 sqmm	Set	4			20,072.16			80,288.64
55	Supplying and erection of three piece nonlinear resistor type lightning arrester suitable for 3 wire, 11 KV overhead lines with rated voltage 9 KV (rms) with a nominal discharge current rating of 5 KA and complete with galvanised clamping arrangement, G.I. bolts, nuts, washers etc. as required.	Set	3			6,919.25			20,757.75
56	Fencing Pannel Frame								-
a	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.	SQ Mtr	90			686.36			61,772.40
b	50 x50x6mm MS Posts	Kg	250			134.64			33,660.00
c	Fencing Pannel Frame in 50x6mm Flat	Kg	560			134.64			75,398.40

Sumit
12/8/23

Sr. No.	Item Description	Unit	Qty.	Rate (Rs.)			Amount (Rs.)		
				Supply	Erection	Supply and Erection	Supply	Erection	Supply and Erection
d	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be struttred on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires. of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire used.								
a	Barbed wire	Mtrs	190			16.82			3,195.80
56	Earthung Complete by GI Pipe 40 mm 3 mtr long through GI Strip 25.3 mm	Set	12			2,080.09			24,961.08
57	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with 150sqmm G.I. Pipe	Mtr	120			2,968.72			3,56,246.40
58	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50								
59	Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm	Mtrs	120			413.00			49,562.00

Sr. No.	Item Description	Unit	Qty.	Rate (Rs.)			Amount (Rs.)		
				Supply	Erection	Supply and Erection	Supply	Erection	Supply and Erection
59	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.								
a	160 mm dia (OD-120 mm & ID-103 mm nominal	Mtrs	42			1,522.75			63,955.50
60	Dismantling of pole/ street light standard/ strut embedded in brick ballast foundation etc. as required.	No's.	13			1,977.23			25,703.99
61	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50								
62	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm	CUM	36			413.60			14,889.60
63	Dismantling 15 mm to 40 mm nominal bore G.I. pipes manually / by mechanical means including stacking of pipes within 50 metres lead	Mtr's	120			90.30			10,836.00
64	Supply Laying of 3.5 C x 120 sqmm 1.1 KV Grade XLPE aluminium XLPE cable direct in ground including excavation, sand cushioning, protective covering and refilling the trench.	Mtr's	140			1,538.60			215,404.00

Sr. No.	Item Description	Unit	Qty.	Rate (Rs.)			Amount (Rs.)		
				Supply	Erection	Supply and Erection	Supply	Erection	Supply and Erection
65	Dismantling Existing Cable	Mtr's	120			134.14			16,096.80
66	Supply and erection of 400 Amp TPN Bus Bar Box. Box is provided with Angle iron Legs, and embedded in Cement concrete.	Jobs	1			20,645.76			20,645.76
67	Providing and laying of 100mm MS pipe for road crossing for cable protection under Road Crossing crossing.	Mtr's	6			1,212.50			7,275.00
68	Providing and fixing of 40 mm dia nominal bore G.I. pipes complete with G.I. fittings.	Mtr's	130			413.56			53,762.80
69	Making connection of 25 to 40 mm nominal bore G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc	Job	1			604.58			604.58
	Total NON DSR ITEM WITHOUT GST								1,23,05,045.03

13/11/2023

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For
Ms T.Z. ENGINEERING WORKS
Engineers, Contractors & General
Order Suppliers