



इरकॉन इंटरनेशनल लिमिटेड

(भारत सरकार का उपक्रम)

छत्तीसगढ़ रेल परियोजना

IRCON INTERNATIONAL LIMITED

(A Govt. of India Undertaking)

An Integrated Engineering and Construction Company

CHHATISGARH RAIL PROJECT



No. IRCON/2060C/CGRP.EC.EXECU/S&T/PND-GAD/Tender/14931

Date: 28.09.2023

LETTER OF ACCEPTANCE (LOA)

M/s Tungsten Marketing.

988, Nannumal Building, Bajerla

Nagpur, Maharastra, 440018

Tele/Fax: 0712 – 2771606

Email: Tungstenmarketing@yahoo.in

Sub: Supply, Installation, Testing & Commissioning of Block Section cables 6 Quad and OFC for the works of CEWRL in connection with termination station i.e., Between Urga-Kusmunda, Surakachhar - Gevra Road, Urga Connection and Pendra Miscellaneous work of CEWRL Project.

Ref: (1) NIT No. IRCON/2060C/CGRP.EC.EXECU/S&T/PND-GAD/01 dated 19.06.2023.

(2) Technical bid opened on 12.07.2023 and financial Bid opened on 23.08.2023

Dear Sir,

1. In reference to above, your offer for subject mentioned work has been accepted by the Competent Authority at a total value of Rs. 6,35,37,587.79/- (Rupees Six Crore Thirty-Five Lakhs Thirty-Seven Thousand Five Hundred Eighty-Seven Rupees and Seventy-nine Paisa) including all taxes and duties, freight, insurance, inspection etc.
2. Bill of Quantities (BOQ), indicating the quantities and rates of the items included in the scope of work is enclosed herewith as Annexure-A.
3. In terms of Special Conditions of Contract 16.1, you are requested to submit performance security within 21 (twenty-one) days from date of issue of letter of acceptance (LOA) in the form of irrevocable bank guarantee on the Performa annexed as Annexure-B for an amount of Rs. 55,27,315.00 (Rupees Fifty-Five Lakhs Twenty-Seven Thousand Three Hundred and Fifteen only) i.e. 5% (Five percent) of the contract value plus additional performance guarantee from any schedule bank having validity initially upto 60 days beyond the stipulated date of completion.
4. In terms of SCC clause no. 13.0, before commencing of works, you are requested to obtain insurance cover valid till the expiry of the defect liability period clause no.12.0 follows for more details.
5. Payment shall be made after all statutory deductions as applicable.
6. As per clause 18 of Special Condition of Contract, the Contract Agreement shall be signed between the Contractor and IRCON INTERNATIONAL LIMITED within 28 days of issue of LOA. The Contractor shall submit stamp papers of requisite value as per prevailing laws and attend the office of Chief General Manager/S&T, Bilaspur, for Signing of Contract Agreement.

प्रथम तल, नार्थ एवेन्यू, तखतपुर रोड
बिलासपुर (छ.ग.) 495001
1st Floor, North Avenue, Takhatpur Road
Bilaspur (C.G.) 495001 Fax : 07752-261959

रजि कार्यालय : सी. – 4 डिस्ट्रिक्ट सेंटर, साकेत, नई दिल्ली –110017" भारत
Regd. Office : C-4, District Center Saket, New Delhi-110017 INDIA
Tel. : +91-1129565666 Fax: 91-11-26854000, 26522000
E-mail : info@ircon.org web. : www.ircon.org

CIN-L45203DL1976GOI008171





इरकॉन इंटरनेशनल लिमिटेड

(भारत सरकार का उपक्रम)

छत्तीसगढ़ रेल परियोजना

IRCON INTERNATIONAL LIMITED

(A Govt. of India Undertaking)

An Integrated Engineering and Construction Company

CHHATISGARH RAIL PROJECT



7. As per Clause 11.1 of SCC, the entire work shall be completed in a period of Ten (10) months from the date of issue of LOA.
8. All other terms & conditions shall be as per Tender Documents, Corrigendum, addendum which shall form an integral part of this contract and shall be binding on you.
9. The contractor shall not claim any undue benefit arising due to any calculation/printing error in the LOA. In case any calculation/printing error is detected in the LOA, the same shall be corrected at the time of Signing the Contract Agreement.
10. Until a formal agreement is executed, acceptance of this LOA by you shall constitute to be a binding of contract.
11. Two copies of this LOA are being sent herewith. Kindly acknowledge receipt as a token of unconditional acceptance and return one copy of the LOA, duly signed and stamped by your authorized representative on each and every page, to this office within one week of issue of this LOA.

Thanking you,

Enclosed: Annexure-A & Annexure-B

Yours Sincerely

For and on behalf of

IRCON INTERNATIONAL LIMITED

(Shyam Sunder)

Chief General Manager/S&T

Copy to:

1. ED/SW (PD/CGRP), for kind information please.
2. CEO, CFO, COO/CERL, for kind information please.
3. AGM/Finance, for information please



BOQ

S.N.	DESCRIPTION OF ITEMS	UOM	Total Qty	Base rate	Amount
	<u>Supply Part:-</u>				
	<u>Point Machine:-</u>				
1	Supply of Electric Point Machine 143 mm stroke, IRS type to operate on 110 V DC as per RDSO Spec. no. IRS: S 24/2002 (amd. 1) including supply of FRP type horizontal Cable Termination Box, GI Pipe B Class 50 mm dia. And Tool Box as per RDSO Specification.	Nos	2	87327.00	174,654
2	Supply of Ground Connection along with insulation suitable for 143mm stroke IRS Point Machine as per RDSO Drg. S/3361/62/63 with latest amendments.	Nos	2	22971.00	45,942
	<u>OFC Cable:-</u>				
3	Supply of 24 fibre Armoured Optic fibre Cable as per spec. IRS:TC:55/2006 Rev-1 Amd. 2 or with latest amendment.	Km	21	106,149.42	2,229,138
4	Supply and installation of Fibre distribution management system including accessories complete as per RDSO specification No. RDSO/SPN/TC/037-2000(Rev 2) suitable for termination of two nos 24 fibre OFC at repeater station/ cable hut (wall mountable) and splicing of fibre with pig tail cable as per specification. This includes end to end testing of al fibres of OFC cable(All items required for execution of work shall be supplied by the contractor.)	Nos	4	42,924.10	171,696
5	Supply of loose tube fibre pigtail with FC/PC connector at one end of 15mtrs. Length as per TEC Specification No. G/OFJ-01/03 JUN 99(With latest Amendment).	No	20	1,783.22	35,664
6	Supply of HDPE duct 40/33 mm permanently lubricated in lengths of 500 mtrs and accessories including end caps for every drum length as per RDSO Spec. no. RDSO/SPN/TC/45/2013.Rev.2.0 Amendment 1.0, including latest amendment. This includes the loading, unloading and transportation at the site of work. This also includes supply of HDPE Duct Accessories like 2(two) END PLUG, 1 (one) Cable sealing plug and 1 (one)Plastic coupler-slip fit push type for every 500m of HDPE supplied.	Mtrs	21	115.02	2,415
7	Supply of OFC Joint Enclosure for straight through joint with modification for 24 fibre OFC as per TEC specification no. GR/OJC-02/02 SEP 2003 (with latest amendment) or latest.	No	25	38,777.19	969,430
	<u>6 Quad Cable</u>			-	
8	Supply of Underground Railway Jelly filled 6 Quad Cable of size 0.9 mm dia for Signalling and Telecom Installation as per RDSO Spec.No.IRS:TC-30/2005 (Ver-1 with amend. No. 4)	Km	25	418,089.97	10,452,249
9	Supply of cable termination panel fitted with two nos of 32 way U link feed panel along U links complete and mounting arrangements.	No	6	50,530.54	303,183
10	Supply of Emergency Socket box made of FRP material as per Spec. No. RDSO/SPN/TC/44/2002 Ver.2 (with latest amendment).	No	25	7,477.42	186,936
11	Supply of 6 pin Emergency Socket	No	25	432.78	10,820
12	Supply of 4/2 wire emergency light weight portable control telephone as per RDSO Spec. no. IRS-TC:78-2000 with amendment No. 2 or latest with 6 pin flat plug to specn no. IRS-TC- 42/87.	No	4	2,423.17	9,693
13	Supply and installation of Universal thermoshrink jointing kit for derivation/ transformer joint for Jelly filled 6 quad cable conforming to RDSO Spec. no: IRS-TC- 77/2006(Rev.1)(with latest amendment). VF Transformer shall be procured against separate item of Schedule A and issued to contractor for execution of work. This also includes excavation of cable joint pit of size 1.2m x 1.2m x 1.0m in all types of soil for jointing of copper cables, backfilling and ramming after jointing.	Nos	40	6,559.70	262,388
14	Supply of Jelly filled cable 20 pair	Km	10	181,701.68	1,817,017

15	Supply of VF Tapping Transformer 1120:470 (rack mountable) as per specification no. IRS-TC-22/76 (with latest Amendment).	Nos	20	1,634.05	32,681
16	Supply of one quad VF transformer assembly 2T for quad cable (470:1120) for derivation joints to specification No. IRS-TC-76/2000 (with latest amendments).	Nos	20	1,634.05	32,681
17	Supply of VF Tapping Transformer 600:470 (rack mountable) as per specification no. IRS- TC-22/76 (with latest Amendment).	Nos	5	1,707.82	8,539
	<u>Cables and Cable Termination Box</u>			-	
18	Supply and fixing of 20 pair CT box(of Thermoplastic material complying with standards IEC 60670-1 & IEC 60670-22) and termination of cable.	Nos	6	6,149.01	36,894
	<u>Cable protection Material</u>			-	
19	Fixing of concrete cable route marker at 50 meter(approx) and at diversion point including supply & transportation of cable route marker at site. Detail size & fixing of cable route marker should be followed as per drawing of SECR. Marker should be written as "RLY SIG CABLE/ TELE CABLE" both sides	Nos	500	661.11	330,553
20	Supply of Double Walled Corrugated (DWC) pipes as per RDSO spec. no.RDSO/SPN/204/2011, of length 6 meter and 120 mm outer dia. & 103.5mm inner dia. with one snap fit coupler with rubber ring, spacers, band, endcap, one V end and one T coupler for underground Power / Signal/ Telecom cable protection.	Km	1	184,699.45	184,699
	<u>Steel Apparatus Cases (Location Box):-</u>			-	
21	Supply of Apparatus Case Full as per RDSO Drg. No. WS-8842/A with latest alteration along with miniature 'E' type locks with keys (1 key per 5 location boxes and handle) of ward no. 41 (E type lock & key as per spec. Nos IRS S 30 & RDSO Drg. No. SA3376/M & 3377/M resp. with latest amendment) on both the doors duly painted with red oxide.	Nos	10	24,649.88	246,499
22	Supply of Apparatus Case Half as per RDSO Drg. No. RE/S&T/ALD/SK/220/82 with front & back door, fitted with E type lock on both doors (with key & handle).	Nos	10	17,090.52	170,905
23	Supply of Hylam Sheet, resin bonded 10 mm thick,grade P3 in standard size of 1.22 x 1.22 Mtr as per spec. No (S 2036 of 1974.	Nos	10	6,993.17	69,932
24	Supply of Wago/phoneix screwless 4 conductor disconnecting terminal suitable for copper wire of 0.5 sqmm to 4 sqmm as per RDSO spec no. RDSO/SPN/189/2004 ver 1.2. This also includes end stopper, End plate, Carriage Rail, Marker Strip etc. for the fixing of terminals.	Nos	3000	64.69	194,070
25	Supply of ARA terminals Block made of PBT as per IRS Drg. No. SA 23741/A Alteration 4 or latest & spec. No. IRS:S- 75/2006 (Rev 2) (latest) with latest amendments with disconnecting links.	Nos	500	73.93	36,965
26	Supply of Power Supply unit (2 Amps) with 12V/7AH MF Battery as per RDSO Spec No. IRS:72/97	Nos	3	4,921.70	14,765
Total of Schedule-A				-	18,030,408
	<u>Execution Parts:-</u>			-	
	<u>Point Equipment:-</u>			-	
27	Installation, Wiring, Testing & Commissioning of Point Machines including wiring of point JB, fixing of GI Pipe, Ground Connections and other work related to functioning of Point Machine. The work shall be done as per existing practice of SECR & the instruction of Engineer.	Nos	4	37,060.00	148,240
28	Excavation, casting, concreting curing and plastering (above ground level) of Point Operation Box (Apparatus case) foundation & erection with contractors own Metal Sheet frame, cement, anchor bolts with nuts & washers and other materials. The items also include additional earth work if required as per instruction of Rly. Engineer at site for :- Note: The above item includes supply and installation of petty materials for fixing, clamping & mounting arrangement			-	
	Full Location Box as per attached drawing	Nos	4	11,479.15	45,917

29	Fabrication and fixing of Hylam sheet in location box by providing all fixtures as per location drawing including fixing of PVC coated string rods at the back side for cable support with contractor's own materials and cable. The work shall includes installatoin of terminals. relay mounting wiring of relays termination of cables on terminal, lacing and dressing of cables as per the instruction of engineer incharge Relay to be wired with 16/0.2mm wire suplied by contractor. This also Includes the installation of Authorization/control key, crank handle key, push buttons and indication LEDs on hylam sheet and their wiring with suitable cable as per instructions of Engineer Incharge Further. Indicative Point layout to be painted on Hylam Sheet as per attached tentative drawing.			-	0
	Full Location Box	Nos	4	3,677.39	14,710
	<u>Trenching & Laying</u>			-	
30	Trenching upto depth of 1200mm with 300 mm wide base at bottom of trench including clearing of roots bushes etc in all types of soil (Normal, hard, black cotton, morrum, soft rock, hard soil mixed with boulders) and backfilling after laying of HDPE pipe/OFC cable and 6 quad/PIJF cable etc. at 1200 mm & 1000 mm depth respectively as per approved Drg. Ramming and consolidation of soil in trenches as well as disposal of extra soil if any.	km	25	143,700.96	3,592,524
31	Excavation of trench 1m deep and 300 mm wide across the track for Track crossing & refilling. The work shall be done as per existent practice of SECR & Instruction of Engineer.	MTR	500	186.56	93,282
32	Supply and fixing of perforated GI pipes of diameter given below for entry of cable on girder bridges, RCC bridges, drains, culverts, rocky places, tunnels/ dep cuttings or at places as advised by the engineer in charge of the work. This includes trenching upto the required depth as decided by the engineer at site and making holes of 5mm dia (approx) at 20 cm intervals on the GI pipe. The pipes are to be fixed on the girder bridge by suitable bridge fixtures at an interval of 1.0 mts(min) or directives of Engineer at site. On RCC/ masonry bridges or in rocky places, if required the entire length of the pipe to be concreted upto a height of 100 mm above the pipe.			-	0
a	100 mm dia	Mtr	1000	1,855.40	1,855,398
33	Laying of HDPE duct in the trenches and in the protective works already provided including in HDD portion and supply pulling of Nylon rope through it at different places as per direction of engineer in charge or site engineer.	km	21	13,004.19	273,088
34	Laying of Signalling/Power/Telecom Cables of various cores in trench and meggering of main and tail cables.	km	30	8,406.53	252,196
35	Laying of 6 quad cable / derivation cable/ PIJF cable in the trenches and in the protective works already provided at different places, as per direction of engineer in charge or site engineer.	km	25	8,406.53	210,163
36	Transportation, installation of optical fibre joint enclosure and splicing of Optical fibre cable (2 x 24 fibres) and testing, Optical fibre cable splicing shall be done in the presence of IRCON's representative. Only joint closure shall be issued by IRCON. All other tools/ test equipment required shall be arranged by the contractor. Tihis also includes excavation of earth for construction of masonry pit of bricks (inside complete plastered), the inner size of pit 1.2m x 1.2m (depth 0.75 m) in all types of soils for keeping cable coils at the location of OFC joints, filling the pit with sand after jointing of cables, ramming and covering with RCC slab as per Drg. and instructions of site in charge of IRCON.	Nos	25	25,274.66	631,866

37	Blowing/drawing of OFC cable in the HDPE pipe duct and in protective works already provided. This includes transportation, loading/unloading of OFC from the stores to the work site with care, sealing of the duct by sealing/caps plugs. This also includes testing of cable drums in the store premises before transportation and submissions of results thereof. Empty cable drums to be returned by the contractor. The cable drums with unused cable at site to be returned by the contractor from site to stores depot. This also includes Duct Integrity Test to be done before blowing of OFC cable.	km	21	12,005.02	252,105
38	Supply and placing of second class bricks in excavated trenches within station limit/ station area. The contractor shall arrange to place the bricks flat and position them breadthwise so that an average eight to nine bricks shall be laid.	Nos	360000	20.03	7,212,312
39	Physical tracing and opening/locating of existing working cables by precession digging for diversion of cables in connection with cable clearance for engineering earth work without interfering the circuits as per the advice of Railway site engineer.	Mtrs	20000	207.63	4,152,600
40	Shifting of Emergency Socket box made of FRP material as per Spec. No. RDSO/SPN/TC/44/2002 Ver.2 (with latest amendment).	Nos	10	5,338.08	53,381
41	Cutting of all types of Roads/Platforms/Concrete preparatory to trenching and excavation to depth of 1m & 300mm wide approx. and refilling after laying of DWC pipe & to restore them to original condition. The work shall be done as per existent practice of SECR & Instruction of Engineer.	Mtr	800	578.46	462,770
42	Execution of trenchless horizontal boring(HDD) work using machine (boring size upto 125mm) upto a depth of minimum 1 m from the ground level at location, as per direction of engineer in charge. This includes supply & laying of DWC HDPE pipe as per specification no. IS 14930 part II or latest of 120mm Outer dia/103.5mm Inner dia). This includes all accessories and tools required to do the trenchless horizontal boring.	Mtr	1000	2,928.63	2,928,634
43	Trenching in all type of soil (normal soil, hard soil and black cotton soil) and refilling of trenches for 1 meter depth and 300mm width.	km	15	117,793.99	1,766,910
44	Alteration/Shifting/ Modifications in the existing location boxes, fixing of equipments, cable insertion, termination, wiring, testing & commissioning, two coat painting, lettering to suit the circuits as per approved wiring diagrams. This includes filling with sand and plastering the same.	Nos	5	8,103.99	40,520
45	Transportation of cables in roll with or without wooden drums to work site and meggering before loading and after laying, and recording the values in cable insulation register along with representative if required.	Nos	100	11,964.00	1,196,400
	<u>Signalling Cable:-</u>			-	0
46	Supply of PVC Insulated armoured, Unscreened, underground, Railway Signalling Cable 12 Core x 1.5 sq.mm. (Copper Conductor) as per RDSO Spec No; IRS: S-63/2014 (Rev 4.0) including latest amendments.	Km	20	291,104.84	5,822,097
47	Supply of PVC Insulated armoured, Unscreened, underground, Railway Signalling cable 24 Core x 1.5 sq.mm. (Copper Conductor) as per RDSO Spec No; IRS:S-63/2014 (Rev4.0) including latest amendments.	Km	10	391,867.63	3,918,676
48	Cable unarmoured PVC insulated, unseathed with plain annealed high conductivity 650V grade copper conductor as per colour coding scheme of Railways in 100 meter coils, confirming to RDSO Specification No: IRS-S-76/89 with latest amendment-	Coil (100M Each)		-	0
a)	16 x 0.2 mm.(Grey)		500	608.47	304,235
b)	3 x 0.75 mm. (Red, Green & Black)		300	1,415.69	424,707

49	Supply of PVC Insulated armoured, Unscreened, underground, Railway Signalling cable 2 x 25 sq.mm. (Aluminium Conductor) as per RDSO Spec No; IRS:S-63/2014 (Rev4.0) & IS : 1554 (Part-1) including latest amendments.	Km	3	131,303.61	393,911
50	Dismantling of Steel apparatus case with fittings.	Nos	4	215.41	862
51	Casting, concreting & curing of foundation & erection for :-			-	
a)	Full Location Box as per Drg No. IRCON/2050/BGL.JBB/S&T/JAY/ACFS/08	Nos	10	11,479.15	114,791
b)	Half Location Box as per Drg No. IRCON/2050/BGL.JBB/S&T/JAY/ACFH/09	Nos	10	9,766.29	97,663
52	Preparation of cable Duct 150mm wideX300mm deep for laying of cable in rocky area and refilling the duct (after cable laying) with concrete mixture of proportion 1:3:6 and grouting the ends at either side of the rocky portion using concrete mixture with contractor's own materials and excavated earth to its original condition.	MTR	350	739.98	258,993
53	Cutting the masonry wall to the depth of 0.25m to 0.75m at the entry of room placing of flexible HDPE Pipe or GI Pipe (including supply) of suitable size as per instructions of site in charge and repairing of masonry wall and cement plastering after the cable is taken inside the flexible HDPE pipe/GI Pipe with clamps as per drawing no. RE/S&T/ALD/SK/161/81.	Nos	10	845.16	8,452
54	Masonry chase cutting 3/2" x 3/2" at the work site, transport of 5/10/20/50 pair indoor, PVC switch board cable from the stores to the work site and drawl of same in HDPE/ flexible HDPE pipe of suitable dia placed on the chase and covering/replastering the chase with cement after drawl of cable. HDPE/flexible HDPE pipe of suitable dia to be supplied by the contractor.	Mtr	200	300.50	60,100
55	Supply and laying of NP2 RCC pipe of 150 mm dia to spec. no. IS-458, 2 meter in length, at places under track and road, Level crossing gate, platforms near FP for protection of OFC & Quad or OFC or 6 Quad cable/PIJF cable to be laid.	Mtr	400	825.13	330,052
56	Fabrication and fixing of Hylam sheet in location box by providing all fixtures as per location drawing including fixing of PVC coated string rods at the back side for cable support with contractor's own materials and cable. The work shall includes installatoin of terminals. relay mounting wiring of relays termination of cables on terminal, lacing and dressing of cables as per the instruction of engineer incharge Relay to be wired with 16/0.2mm wire suplied by contractor. This also Includes the installation of Authorization/control key, crank handle key, push buttons and indication LEDs on hylam sheet and their wiring with suitale cable as per instructions of Engineer Incharge Further. Indicative Point layout to be painted on Hylam Sheet as per attached tentative drawing.			-	
a	Full Location Box	Nos	10.00	3,677.39	36,774
57	Fixing of Wago/phoneix screwless 4 conductor disconnecting terminal suitable for copper wire of 0.5 sqmm to 4 sqmm as per RDSO spec no. RDSO/SPN/189/2004 ver 1.2. This also includes end stopper, End plate, Carriage Rail, Marker Strip etc. for the fixing of terminals. Also installation of fuse blocks.	Nos	3000.00	20.03	60,103
58	Termination, Meggering & Testing of cable cores on WagoTerminals/ARA/Fuse Blocks in the Apparatus cases. This includes all associated works of pulling out the cable from underground. The work shall be done as per Instruction of Engineer.	Nos	400.00	23.79	9,518

	<u>Earthing:-</u>			-	0
59	Fabrication of EC socket box assembly and erection of fabricated assembly at the location indicated in the route chart and as per direction of engineer in charge. This includes cutting of rails, to required size, supply and welding of GI pipe and base plate, fixing of EC socket box, transportation of material to site, digging of pit and erection of whole assembly at site. The work also includes the fixing of EC socket in the EC socket box and termination of 6 Quad/PIJF derivation cable on the strips of 6 pin EC socket inside emergency socket box. The Emergency socket box made of FRP material as per Spec. no. RDSO/SPN/TC/44/2002 Ver.2(with latest amendment) and its wiring alongside the Railway track at locations to be indicated by the engineer (Rail post shall be supplied by IRCON and issued to the contractor for execution. Emergency Socket and Emergency socket box will be procured through separate schedule of this contract and issued to the contractor for execution.). All other items shall be supplied/arranged by the contractor.	Nos	25	6,867.71	171,693
60	Supply of Normal Earth Electrode for earthing of S&T installations with all the associated assembly/ materials as per standard railway practice conforming to drawing no. TCA 565 as mentioned in the technical specifications.	Nos	20	5,599.34	111,987
61	Installation, Wiring & Testing of Conventional Earth Electrode assembly including earth wire connected through GI wire 8 SWG supported on M.S. flat of size 40mm X 6mm to earth electrode for outdoor signaling equipment. The earth value should not be more than 10 Ohm including the lead wire. The value should be measured in presence of Engineer. It should be documented & painted on earth enclosure made of concrete. All connecting wires (like power cables etc) shall be supplied by the contractor.	Nos	20	657.35	13,147
	<u>Provision of Vehicle</u>				0
62	Provision of Vehicle for movement - 05 (Five) Dedicated 7 seater passenger SUV for movement of IRCON S&T Engineers on project site. The above shall include cost of driver, fuel, mobile etc with availability as per IRCON Engineer's Requirement for 18 months.	Vehicle. Km.Mon th	125000	27.67	3,458,750
63	Signal expert, having relevant experience of 06 years in S&T construction to be deputed by contractor. The person will be deployed at site with prior approval of Engineer on submission of detailed CV and certification. One personnel is required at each station for a duration 12 months.	Man.Mon th	24	90344.00	2,168,256
64	Supervisor Signal and telecom, having relevant experience of 03 years in S&T construction to be deputed by contractor. The person will be deployed at site with prior approval of Engineer on submission of detailed CV and certifications. One signalling & one telecoms supervisor is required at each station for a duration 12 months.	Man.Mon th	48	68260.00	3,276,480
Total of Sch B					₹ 46,224,261.46
Total of Sch (A+B)					₹ 64,254,669.91
CGST@ 9%					5,782,920.29
SGST @9%					5,782,920.29
Total					₹ 75,820,510.50
Quoted Rate @16.2% Below(Discount)					12,282,922.71
Awarded Amount					₹ 63,537,587.79

ANNEXURE-II

(to be executed on a non-judicial stamp paper of ₹100/- only)

PERFORMANCE BANK GUARANTEE (UNCONDITIONAL)

To
IRCON INTERNATIONAL LIMITED,

[Acting through _____ (Project
Incharge) & Address of the Project]

WHEREAS _____ [name and address of Contractor]
(hereinafter called "the Contractor") has undertaken, in
pursuance of Contract No. _____ dated _____
to execute the work of "....."
....." (hereinafter called "the Contract.");

AND WHEREAS it has been stipulated by you in the said Contract
that the Contractor shall furnish you with a Bank Guarantee by
a scheduled bank for the sum specified therein as performance
security for compliance with his obligations in accordance
with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank
Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and
responsible to you, on behalf of the Contractor, up to a total
of _____ [amount of Guarantee],
[amount in
words], such sum being payable in the types and proportions of
currencies in which the Contract Price is payable, and we
unconditionally agree and undertake to pay you, without any
demur or protest, at once, upon your first written demand and
without cavil or argument, any sum or sums within the limits
of _____ [amount of Guarantee] as mentioned in
demand letter, without requiring you to prove or to show
grounds or reasons for your such demand for the sum specified
therein, in the first letter of invocation.

We hereby waive the necessity of your demanding the said
amount under bank guarantee from the Contractor before
presenting us with the demand.



GENERAL CONDITIONS OF CONTRACT

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid upto _____ (a date 60 days from the date of completion of the work).

We, the _____ Bank further agree that this guarantee shall be invokable at our place of business at New Delhi/NCR/Project HQ (Indicate detail address of branch with Code No.)*. The branch at New Delhi/NCR/Project HQ is being advised accordingly.

This Bank Guarantee shall be operative only if it is accompanied by a separate advice sent by _____ (Name of Issuing Bank, with address) on _____ (Name of Employer's Bank, with address) IFS Code _____ through Structured Financial Messaging System (SFMS) and authenticated by the Employer's Bank.

SIGNATURE AND SEAL OF THE GUARANTOR

Name of Bank: _____
Address: _____
Date: _____

*The Bank should indicate detailed address of New Delhi/NCR/Project HQ branch along with its Code No.

