



इरकॉन इन्टरनेशनल लिमिटेड

(नवरत्न कंपनी)
(भारत सरकार का उपक्रम)

छत्तीसगढ़ रेल परियोजना

IRCON INTERNATIONAL LIMITED

(Navratna Company)
(A Govt. of India Undertaking)

An Integrated Engineering and Construction Company

CHHATTISGARH RAIL PROJECT



IRCON/2060/CGRP/e-TENDER/24-25/Gevra-Pendra/BSP-66/16726.

Dated:09.11.2024

To

M/s Hill Brow Metallics & Construction Pvt Ltd,

Chandani Chowk,

Raigarh (Chhattisgarh) – 496001.,

Mobile No: 7898150000, 9827931562

Email Id: sunilska2004@yahoo.com, sunilska2004@gamil.com

(Letter of Acceptance)

Sub: Civil work including construction of Bridge No. 1C, 2C, 2D, 3C 15C, 15D, 20B and 16 for connectivity of Junadih Augmentation work & Dipka Siding to CEWRL Main Line in connection with the construction of New BG Electrified Double Railway Line for Chhattisgarh East West Rail Corridor from Gevra Road (Km 0) to Pendra Road (Km 135) in the state of Chhattisgarh over South East Central Railway.- **Letter of Acceptance**

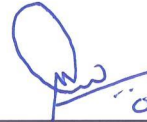
Ref: i. NIT No: IRCON/2060/CGRP/e-TENDER/24-25/Gevra-Pendra/BSP-66 Dated:08.08.2024

ii. Addendum no. 01 Dated 22.08.2024

iii. Technical Bid Opened on 30.08.2024 and financial bid opened on 26.10.2024

1. Your offer for the work of "Civil work including construction of Bridge No. 1C, 2C, 2D, 3C 15C, 15D, 20B and 16 for connectivity of Junadih Augmentation work & Dipka Siding to CEWRL Main Line in connection with the construction of New BG Electrified Double Railway Line for Chhattisgarh East West Rail Corridor from Gevra Road (Km 0) to Pendra Road (Km 135) in the state of Chhattisgarh over South East Central Railway" at your offered cost of **Rs.18,95,82,594.89/-** (Rupees Eighteen Crore Ninety Five Lakhs Eighty Two Thousand Five Hundred Ninety Four and Eighty Nine Paise only) **including GST@18%** (BOQ attached as Annexure A).
2. The completion period of work is **06 (Six) months** from the date of issue of this Letter of Acceptance (LOA) including monsoon period i.e. up to 09.05.2025 as per clause no. 10.0 of SCC. This LOA shall be treated as notice of commencement of work.
3. It is requested to submit a Performance Security for an amount of Rs.1,04,25,873/- (Rupees One Crore Four Lakhs Twenty Five Thousand Eight Hundred Seventy Three only), (which includes Performance Bank Guarantee @ 5% (Five percent) of the contract value of Rs.94,79,130/- and additional Performance Guarantee of Rs.9,46,743/-) having validity initially up to 60 days beyond the stipulated date of completion in the prescribed form as per clause no 13.1/8.1 of SCC/GCC in favour of IRCON INTERNATIONAL LIMITED, within 21 (Twenty One) days from the date of issue of this Letter of Acceptance (LOA).
4. This letter will constitute a legal and binding contract between Ircon International limited and M/s Hill Brow Metallics & Construction Pvt Ltd till such time the contract Agreement is signed. You will enter into and execute the contract agreement within 28 days from the date of issue of this letter as per clause no. 15.0/12.5 of SCC/GCC on the stamp paper of the the requisite value as per the prevailing laws to be arranged at your cost.
5. All other terms and conditions shall be as per Tender documents, which shall form an integral part of this contract and shall be binding on you

Page 1 of 14


09/11/2024

प्रथम तल, द एआरके बिल्डिंग, लिंक रोड, जुडिओ के सामने,
सी. एम. डी. चौक, बिलासपुर (छ. ग.) 495001
1st Floor, The ARK Building, Link Road, Opposite Zudio,
Near CMD Chowk, Bilaspur (C.G.) 495001 Ph : 07752 - 443719
Email : cerl.2059@ircon.org, cewrl.2060@ircon.org

रजि. कार्यालय : सी-4, डिस्ट्रिक्ट सेंटर, साकेत, नई दिल्ली-110017, भारत
Regd.Office : C-4, District Centre, Saket, New Delhi-110017 INDIA
Tel. : +91-11-26530266 Fax : 91-11-26854000, 26522000
E-mail : info@ircon.org Web. : www.ircon.org

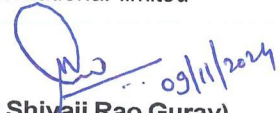
CIN-L45203DL1976GOI008171



6. This letter is being issued to you in duplicate as per clause No.23 of Instructions to Tenderer of Tender document, one copy of which may please be returned within 7 (seven) days from the date of issue of this Letter of Acceptance (LOA). Duplicate copy shall be duly stamped and signed and returned as a token of your unconditional acceptance.
7. You are requested to contact the undersigned for further instructions.

Encl: BOQ as Annexure-A

Yours faithfully,
For and on behalf of
Ircon international limited


(Sanjay Shivaji Rao Gurav)
CGM/Civil & PH/CGRP

Copy for information and necessary action please:

CEO/CEWRL, PD/CGRP, GM/Finance, JGM/Civil/P&C.

ANNEXURE-A

SUMMARY OF BILL OF QUANTITIES

Name of Work: Civil work including construction of Bridge No. 1C, 2C, 2D, 3C 15C, 15D, 20B and 16 for connectivity of Junadih Augmentation work & Dipka Siding to CEWRL Main Line in connection with the construction of New BG Electrified Double Railway Line for Chhattisgarh East West Rail Corridor from Gevra Road (Km 0) to Pendra Road (Km 135) in the state of Chhattisgarh over South East Central Railway.

Sl. No	Schedule	Description	Basic Amount (in Rs)
1	Schedule-A	Earthwork in Formation (Earthwork & Blanketing)	1,21,63,616.31
2	Schedule-B	Bridge Work (Other than steel items)	7,46,97,415.31
3	Schedule-C	Steel Items	8,43,81,033.72
4	Schedule-D	Road Diversion Works for Br No 16 and 20B	42,21,980.11
5	Schedule-E	Other items of Work not covered by above schedules (SECR-USSOR-2010)	48,33,582.20
		Total Basic amount	18,02,97,627.65
		GST @ 18%	3,24,53,572.98
		Total Estimated cost	21,27,51,200.63

Rate %/Below/Above/At Par	:	10.89% Below
Total Basic amount	:	Rs.16,06,63,216.00
GST @ 18%	:	Rs.2,89,19,378.89
Total Awarded Value	:	Rs.18,95,82,594.89 (Rupees Eighteen Crore Ninety-Five Lakhs Eighty-Two Thousand Five Hundred Ninety Four and Eighty Nine Paise only) including GST



BILL OF QUANTITIES:

Item No.	Description of item	Unit	Quantity	Rate (in Rs)	Amount (in Rs)
	<u>SCHEDULE (A) : Earthwork in Formation (Earthwork & Blanketing)</u>				
1	Earthwork in filling in Embankment Fill and Top Layer of formation including trolley refuges etc. with earth of approved quality as per "Comprehensive guidelines and specifications for Railway Formation" Specification No. RDSO/2020/GE:IRS-0004 September-2020, Corrected upto ACS No.1 issued by RDSO, Lucknow (with latest amendments upto date correction slips) including all leads, lifts, ascents, descents, site clearances, setting out and demarcation of profile, benching, initial compaction of subsoil after levelling the surface after site clearance, spreading loose earth in 30CM layers using grader up to extra width of 0.5 M beyond designed profile, compaction (mechanical Means) using vibratory compactors so as to achieve in-situ dry density not less than 98% of MDD, top and side dressing and removal of extra earth from sides to provide final formation as a complete job as per RDSO Guidelines & designed profile. The rate shall include cutting of trees with girth up to 30 cm and separate payment will be made for cutting of trees if girth is more than 30 cm. The minimum Ev2 Criteria as mentioned in the guidelines is not applicable. Work shall be executed in strict compliance of "Comprehensive guidelines and specifications for Railway Formation" Specification No. RDSO/2020/GE:IRS-0004 September-2020, Corrected upto ACS No.1 issued by RDSO, Lucknow (with latest amendments upto date correction slips). The rate includes royalty/taxes, all Labour, tools/Plants etc.				


09/11/2024

Item No.	Description of item	Unit	Quantity	Rate (in Rs)	Amount (in Rs)
(a)	With contractors earth of approved quality and specification from outside railway land	cum	22387.80	220.65	4939868.07
(b)	with suitable material available at site from excavation (Item 2 of Sch-A and Item 1 of Sch-B) with all leads & lifts	cum	34738.28	37.89	1316233.43
2	Earthwork in excavation by mechanical means (Hydraulic excavator) in cutting in formation, trolley refuges, side drains, yard drains, catch water drains, etc. including leading usable cut spoils and utilise it for formation in filling (as per Item 1(b) above) and disposal of surplus unsuitable earth, site clearances, setting out and demarcation, lift, ascents, descent, loading, unloading, tools & plants, Royalty/all taxes, bailing/pumping out of water and all incidental charges as per specifications of Item 1 above, disposing off surplus unusable cut spoils with all lead as per directions of the Engineer incharge and top & side dressing to providing final formation as per designed profile. The rate shall not include cutting of trees with girth above 30 CM, which shall be paid separately. Note: 1. Rock spoils such as stones, boulders, pebbles, gravels, etc available from excavation, if are found suitable for use in works as per required specifications even after modifications etc., can be used free of cost but the legally payable royalty and taxes are to be paid by the contractor to the concerned authorities. 2. Rain cuts, slips and washings in the cutting and side drains will have to be cleared/rectified manually/mechanically and no extra cost will be payable. 3. Contractor has to arrange suitable land for disposal/stacked of unusable excavated material from cutting at his own cost.				
a)	Soil excluding rock	cum	2351.84	133.88	314864.34


09/11/2024

Item No.	Description of item	Unit	Quantity	Rate (in Rs)	Amount (in Rs)
b)	soft Rock with UCS 1.25 MPa to 12.5 Mpa, not requiring blasting	cum	4964.14	191.77	951973.13
c)	Hard rock with UCS more than 12.5 MPa requiring blasting but blasting not permitted, hence to be excavated by chiselling. Note:- 1- in case blasting is permitted accepted basic rate will be reduced by 10%.	cum	2000.00	536.18	1072360.00
3	Filling suitable, well graded contractor's coarse sand of approved quality in weak formation/ sandwich construction in Embankment, in layers not exceeding 300 mm depth in loose state, in the entire width of the formation in cutting, below or above natural ground level, or as directed to dimension and slopes shown in cross section sheets or as directed by the Engineer in charge with Compaction by Vibratory Roller up to the required relative density (min.70% of the relative density obtained as per IS:2720 part.IV-1983) as a complete job.	cum	2000.00	937.99	1875980.00
4	Providing and laying blanketing materials of specifications as per latest RDSO Guidelines and Specifications and procedures by spreading in layers not exceeding in 30 cm in loose state and leveling by graders and compaction using vibratory compactors, including all leads, lift, ascent/descent, loading, royalty/taxes, octroi, tools and plants, testing charges, top and side dressing to provide final formation as per designed profile as a complete job inclusive all other incidental charges. NOTE: 1) If naturally available materials do not meet the laid down specifications, blanket material has to be produced by mechanical process using mechanical crushing or mechanical blending method or combination of these two methods as given in "Comprehensive guidelines and specifications for Railway Formation" Specification No. RDSO/2020/GE:IRS-0004	cum	3117.16	542.91	1692337.34


09/11/2024

Item No.	Description of item	Unit	Quantity	Rate (in Rs)	Amount (in Rs)
	September-2020, Corrected upto ACS No.1 issued by RDSO, Lucknow (with latest amendments upto date correction slips) . The quoted rates are deemed to include the production of material by mechanical process. 2) The filter criteria and minimum EV2 Criteria as mentioned in the guidelines is not applicable.				
	Total of Schedule - (A)				1,21,63,616.31
	<u>SCHEDULE (B): Bridge Work</u> <u>(Other than steel items)</u>				
1	Earth work in excavation in foundation of bridges/structures by mechanical means (hydraulic excavation) to desired profile including ramming of bottom, backfilling, compaction of back fill, getting out excavated usable surplus materials and utilise it for formation in filling (as per Item 1(b) of Schedule-A) and disposal of surplus unsuitable soil as per directions of the Engineer in charge. The rate inclusive of all labour, material required, manual work for achieving desired profile, wet excavation, shoring, strutting, trenches and leading the surplus unsuitable soil to any other place as directed by Engineer incharge with all lead, lift, Ascent,descent , loading, un-loading ,tools & plant and removing slush, making protection bunds for diverting water wherever necessary, pumping out/balling out water with contractor's pump or by any other means complete as required. Note: 1.Rock spoils such as stones, boulders, pebbles, gravels, etc available from excavation, if are found suitable for use in works as per required specifications even after modifications etc. can be used free of cost but the legally payable royalty and taxes are to be paid by the contractor to the concerned authorities. 2. Rain cuts, slips and washings in				



Item No.	Description of item	Unit	Quantity	Rate (in Rs)	Amount (in Rs)
	the cutting and side drains will have to be cleared/rectified manually/mechanically and no extra cost will be payable. 3. Contractor has to arrange suitable land for disposal/stacked of unusable excavated material from cutting at his own cost.				
a)	Soil excluding rock	cum	22922.86	248.16	5688536.94
b)	soft Rock with UCS 1.25 MPa to 12.5 Mpa, not requiring blasting	cum	4499.45	262.47	1180970.64
2	Providing and laying of Levelling Course (P.C.C M-15) cement concrete in foundation and flooring using well graded stone aggregate of 20 MM normal size, Corrective course of flooring etc with all required Labour and material including cement, royalty, taxes, leads, lifts, ascent/descent, loading, un-loading, shuttering, shoring, strutting, curing, pumping out/balling out water from foundations where required, fuel electricity etc as a complete job as per Direction of Engineer incharge..	cum	620.19	4734.22	2936115.9
3	Providing and laying Design mix concrete M20 in toe wall, drain, retaining wall wing walls, return wall of Box, RUB, Abutment etc. using well graded stone aggregate of 20MM nominal size as per direction of Engineer- in-Charge. The rate is inclusive of cement, all labour and other required material, royalty taxes, leads, lifts, Ascent/descent, loading, un-loading, centring and shuttering, shoring, strutting, curing pumping out/balling out water where required, fuel, electricity etc as a complete job as required .(Rate Excluding steel reinforcement)	cum	427.55	4979.63	2129040.81


09/11/2024

Item No.	Description of item	Unit	Quantity	Rate (in Rs)	Amount (in Rs)
4	Providing and laying Design mix concrete M25 in coping and wearing course works and other miscellaneous works, etc. using well graded stone aggregate of 20MM nominal size as per direction of Engineer- in-Charge. The rate is inclusive of cement,all labour and other required material, royalty taxes, leads, lifts, Ascent/descent, loading, un-loading, centring and shuttering, shoring, strutting, curing pumping out/balling out water where required, fuel, electricity etc as a complete job as required.(Rate Excluding steel reinforcement)	cum	376.10	5219.72	1963136.69
5	Providing and laying Design mix control concrete M30/M35 in cast-in-situ RCC works in foundation of bridges, pile cap, approach slab, bottom slab of RCC boxes, foundation of retaining walls/wing walls and other miscellaneous works, etc using well graded stone aggregate of 20 MM nominal size as per direction of Engineer incharge. The rate is inclusive of cement,all labour and other required material, royalty taxes, leads, lifts, Ascent/descent, loading, un-loading, centring and shuttering, shoring, strutting, curing pumping out/balling out water where required, fuel, electricity etc as a complete job as required . (Rate Excluding steel reinforcement)	cum	5481.66	5471.59	29993396.04
6	Providing and laying Design mix control concrete M35/M40 in cast-in-situ RCC works in substructure, pier, superstructure, abutment, pier cap, jacketing, dirt wall, return wall, wing wall, retaining wall, foot path slab, bridge deck, ballast retainers, RCC railing, inspection platform, pedestal,RCC boxes excluding bottom slab and other miscellaneous works etc using well graded stone aggregate of 20 MM nominal size as per direction of Engineer incharge. The rate is inclusive of cement,all labour and other required material,	cum	2916.60	5648.20	16473540.12


09/11/2024

Item No.	Description of item	Unit	Quantity	Rate (in Rs)	Amount (in Rs)
	royalty taxes, leads, lifts, Ascent/descent, loading, un-loading, centring and shuttering, shoring, strutting, curing pumping out/balling out water where required, fuel, electricity etc as a complete job as required . (Rate Excluding steel reinforcement)				
7	Applying two coats of coal tar or bitumen confirming to IS 3117 - 1965 on the top and sides of RCC box/slabs @1.70 kgs/sqm after cleaning the surface with all labour and materials complete job as directed by the engineer.	sqm	5528.09	149.79	828052.6
8	Providing and laying boulder backing behind abutment, wing wall, boxes, return wall, etc. with all leads, lifts, Ascent/descents, labours, material, tools & plants royalty/taxes, octroi etc all as a complete job as per drawing & direction of Engineer in charge. The boulder backing shall be as per IRS Bridge & Sub-Structure Code/IRC 78/relevant RDSO guidelines and as per direction of Engineer in Charge.	cum	1944.80	1431.91	2784778.57
9	Providing and laying backfill material behind abutments, wing walls, return walls , below stone pitching, etc with all leads, lifts, Ascent/descents, labours, material, tools & plants royalty/taxes, octroi etc all as a complete job. The back fill material shall be as per IRS Bridge & Sub-Structure Code/IRC 78/relevant RDSO guidelines and as per direction of Engineer in Charge	cum	14528.46	580.50	8433771.03
10	Providing and laying pitching with stone boulders weighing not less than 35 kg each with the voids filled with spalls on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment etc. as a complete job as per drawing and technical specifications. (filter media to be paid separately under the relevant item)	cum	48.99	1111.40	54447.49


09/11/2024

Item No.	Description of item	Unit	Quantity	Rate (in Rs)	Amount (in Rs)
11	Providing and laying pitching with stone boulders weighing not less than 35 Kg each with the voids filled with cement sand mortar 1:4 on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment etc with all leads, lifts,labours, material, tools & plants, Ascent/descents, royalty/Taxes, octroi etc complete job as per drawing and as directed by Engineer incharge. (Filter media to be paid separately under the relevant item).(Rate includes cost of cement).	cum	100.00	1636.31	163631
12	Supply and filling of coarse sand in foundations for boxes and in case of loose slush is encountered at site of Foundation and before laying the filter media with contractors material and labour including its compaction and watering with all lead lift ,taxes, royalty etc. Complete in all respect as per instruction of Engineer-in-charge.	cum	2850.01	604.70	1723401.05
13	Random rubble masonry (CM 1:6) with hard stone for toe wall, including cost of all materials including cement , labour, tools, plant all leads and lifts, curing etc complete as per specifications and as directed by engineer-in-charge	cum	122.47	1746.98	213952.64
14	Providing and fixing of 80/100 mm dia PVC pipe for weep holes in abutments, wing walls, return walls, face wall, retaining wall etc at suitable intervals with all leads, lifts, Ascent/descents, ascents etc with contractor's labours, material tools & plants as per drawing and as directed by Engineer. The weep holes shall be measured in running meter. The rate shall be inclusive of cleaning of weep holes.	meter	858.99	152.09	130643.79
	Total of Schedule - (B)				7,46,97,415.31


09/11/2024

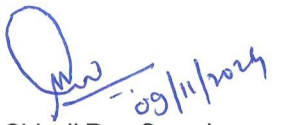
Item No.	Description of item	Unit	Quantity	Rate (in Rs)	Amount (in Rs)
	<u>SCHEDULE (C): Steel items</u>				
1	Supply TMT Fe500 reinforcement steel conforming to IS: 1786-2008 including decoiling, straightening, cutting, bending, hooking as per procedure specified in IS 2502, placing in position, binding with 1MM dia. G.I. binding wire. Note: Reinforcement, shall be measured in length for different diameters used in the works and then paid as per standard weights as per IS 1732. Wastages, overlaps, coupling, welded joints, spacebars, chairs and binding wire shall not be measured and cost of these items shall be deemed to be included in the rates.	MT	1241.79	67951.13	84381033.72
	Total of Schedule - (C)				8,43,81,033.72
	<u>SCHEDULE (D): Road Diversion Works for Br No 16 and 20B</u>				
1	Construction of sub-grade with Material Obtained from Borrow Pits/Borrow Area (Construction of sub-grade with approved material/ selected soil having C.B.R.>8 (unless specified otherwise in the contract) obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2) Note: Rate includes royalty on borrow soil @ Rs.50/ cum +GST @18%. any increase/decrease in royalty on earth will be reimburse/ deducted from accepted rate.	Cum	1127.70	289.70	326694.69
2	Granular Sub-base as per Table:- 400-1 Construction of granular sub-base by providing graded Material, , carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface watering, rolling and compacting with vibratory power roller at OMC to achieve the desired density, complete as per clause 401				


05/11/2024

Item No.	Description of item	Unit	Quantity	Rate (in Rs)	Amount (in Rs)
	as per MORTH specifications.				
	For Lower Sub base with Grading -IV Materials	Cum	563.63	1678.92	946289.68
3	Wet Mix Macadam (Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density as per clause 406 as per MORTH specifications.)	Cum	563.63	1651.28	930710.95
4	Prime coat : Providing and applying primer coat with oil based bitumin emulsion (SS-1, grade conforming to IS :8887) on prepared surface of granular Base including clearing of road surface and spraying primer using mechanical means as per clause 502 as per MORTH specification.				
i	on WBM WMM surface @0.85 KG/SQM	sqm	2255.40	70.98	160088.29
5	Dense Bituminous Macadam (Providing and laying dense bituminous macadam with minimum 40-60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder @ 4.0 to 4.5% by weight of total mix of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.505 complete in all respects as per MORTH specifications.)				
(i)	for Grading-II(26.5 mm nominal size bitumen content 4.50%)	cum	90.00	9036.90	813321


05/11/2024

Item No.	Description of item	Unit	Quantity	Rate (in Rs)	Amount (in Rs)
6	Tack coat Providing and applying tack coat with bitumen emulsion (RS-1, grade confirming to IS:8887) using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as per clause 503 as per MORTH specifications.(i) Bituminous surface @ 0.25 kg /Sqm	sqm.	2255.40	16.63	37507.3
7	Bituminous Concrete (Providing and laying bituminous concrete with minimum 40-60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder @ 5.0 to 6.0% by weight of total mix of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects)				
(i)	for Grading II (13.2 mm nominal size) with bitumen 6.0 %	cum	90.00	11192.98	1007368.2
	Total of Schedule - (D)				42,21,980.11
	Schedule E				
1	Any item of SECR-USSOR-2010 not covered by any other item of Schedules - A, B, C & D but required to be executed for successful completion of the work as deemed necessary by the Engineer.	As per Items of USSOR	LS	As per USSOR - 2010 plus 32.53% Escalation	48,33,582.20
	Total of Schedule - (E)				48,33,582.20
	Total of Schedule (A+B+C+D+E)				18,02,97,627.65


 (Sanjay Shivaji Rao Gurav)
 CGM/Civil & PH/CGRP