



इरकॉन इन्टरनेशनल लिमिटेड
नवरत्न कम्पनी
(भारत सरकार का उपक्रम)
IRCON INTERNATIONAL LIMITED
NAVRATNA COMPANY
(A Govt. of India Undertaking)
An integrated Engineering and Construction Company

01/11/2024

सोन भवन (प्रथम तल), दारोगा प्रसाद राय पथ, पटना - 800 001, फोन : 0612-2506446, 2506543
Sone Bhawan (First Floor), Daroga Prasad Rai Path, Patna - 800 001, Phone : 0612-2506446, 2506543

No. IRCON/2034/E-TENDER/2024/03/1246

Date 23.11.2024

To,
M/s Roy Engineers,
Basant Vihar Colony,
Raghunath Path,
R.P.S. Road,
Danapur, Patna-801503

Letter of Acceptance

Sub: - Construction of Light ROB with ramp facility for light vehicle at LC No. 72 between Gulzarbagh- Patna Saheb Stations of Danapur Division of East Central Railway in state of Bihar.

Ref: Tender No.: IRCON/2034/E-TENDER/2024/03

Dated 24.07.2024

Dear Sir,

In reference to the above, IRCON INTERNATIONAL LIMITED have accepted your offer at **6.10% (Six point One Zero percent)** above the Bill of Quantity for above subject work on a total value of **₹9,55,79,782.00/- (Rupees Nine Crores Fifty -Five lakhs Seventy -Nine Thousand Seven Hundred Eighty TWO only)** including GST @ 18 % and all other taxes & duties. Hence, you are requested to execute the work as per the BOQ attached as **Annexure "A"** with following terms and conditions: -

Terms and Conditions:-

1. The work should be completed within **11 (Eleven) months** from the date of issue of this LOA.
2. Payment will be released from Patna unit through RTGS bank transfer only after submission of GST registration and other statutory documents required by IRCON. The necessary statutory deductions shall be affected in the Bill.
3. You have to submit the GST bill along with the running account bill. The **current rate of GST is 18.00%.**
4. **(A).** You are requested to furnish performance guarantee in the form of irrevocable bank guarantee on the proforma annexed as **Annexure-II** of GCC of tender document from any scheduled bank for an amount of **Rs. 47,78,990.00/- (Rupees Forty seven Lakhs seventy eight thousand nine hundred & ninety only)** in terms of clause no. 38.0 of SCC. This guarantee shall be initially valid upto the stipulated date of completion plus 60 days beyond that.



Signature

- (B). Alternatively, the performance security can also be furnished by the contractor in the form of FIXED DEPOSITE RECEIPT (FDR) from a scheduled bank endorsed in favour of the Employer with the facility of auto renewal. IRCON will not be responsible for any loss of interest if the contractor does not opt for auto renewal facility. No claim on this account will be entertained.
- (C). The above security should be submitted within 21days of issue of this letter in terms of clause 38.1 (v) of Special Condition of Contract.
- (D). You are requested to submit insurance policies in terms of clause no. 18.0 of SCC.

This letter will constitute a legal and binding contract between **Ircon International Limited** and **M/s Roy Engineers**, Basant Vihar Colony, Raghunath Path, R.P.S. Road, Danapur, Patna-801503 till completion of defect liability period.

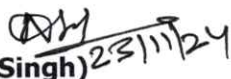
5. Contractor has to liaison with State Govt. department like PHED, BSEB etc. and other agency for obtaining approval, clearance etc. in case of any delay in obtaining approval/clearance etc. the claim whatever may be not entertained by IRCON. However, IRCON will provide necessary assistance in all stages of the work.
6. You are responsible for removing all defects of all the assets and operations of all the installations created this contract during defect liability period of twelve month from the date of completion of the work as per Engineer-in-Charge.
7. You are requested to contact this office with immediate effect for carrying out the work.

Please acknowledge the receipt of this letter in token of acceptance of this order.

Thanking you,

D.A.:- Bill of Quantities as Annexure-A (05 Nos. of Pages)

For and on the behalf of,
IRCON INTERNATIONAL LIMITED


(N. K. Singh) 23/11/24
GM/Civil/PH/ROB-Bihar

Copy to:-

1. PD/Patna for kind information please.
2. Add.General Manager/Finance.
3. AGM/Civil/ROB-Bihar.

Received.
For Roy Engineers
Ajay — Ros
Partner

BILL OF QUANTITY (BOQ)

Tender No.: IRCON/2034/ROB-BIHAR/E-TENDER/2024/03, Date. 24.07.2024

Name of Work:- Construction of Light ROB with ramp facility for light vehicle at LC No. 72 between Gulzarbagh- Patna Saheb Stations of Danapur Division of East Central Railway in state of Bihar.

SCHEDULE-1:- FOUNDATION & SUBSTRUCTURE OF LIGHT ROB					
Item No	Description of Items	Unit	Quantity	Rate	Amount
1.1	Earthwork in excavation for foundations and floors of the bridges, retaining walls etc. including setting out, dressing of sides, ramming of bottom, getting out the excavated material, back filling in layers with approved material and consolidation of the layers by ramming and watering etc. including all lift, disposal of surplus soil upto a lead of 300m, all types of shoring and strutting with all labour and material complete as per drawing and technical specification as directed by Engineer in charge.	CUM	310.00	451.80	140058.00
1.2	Providing, driving and installing Bored cast in-situ Reinforced Cement Concrete piles of 600mm diameter and length below pile cap in M-35 grade Design Mix Cement Concrete, using 20mm graded crushed stone aggregate and coarse sand of approved quality, to carry a safe working load not less than specified, excluding the cost of casing pipe but including the cost of shoe and length of pile to be embedded in pile cap etc. complete, concreting by machine batching, machine mixing, scaffolding, using Admixture in recommended proportion (as per IS:9103), if approved in design Mix, placing with tremie pipe, chipping off of pile top to remove laitance concrete above cut off level etc., pumping and bailing out water with all labour material complete including crossing of tracks if required, as per approved drawing, specification and direction of the Engineer in charge. Length of the pile for payment shall be measured upto the bottom of pile cap excluding the mud mat. Payment for steel reinforcement will be made separately.	Meter	1150.00	6548.40	7530660.00
1.3	Manufacturing, bending, welding supplying and driving in position 3mm thick M.S. Liner (permanent) including the cost of M.S. Plate. Rate includes cost of all labour and materials.	MT	20.00	100607.20	2012144.00
1.4	Sone Sand filling below PCC of Raft Foundation	CUM	525.00	1919.20	1007580.00
1.5	Providing and laying plain cement concrete M15 (aggregate 20mm nominal size) under the pile cap / foundations. The rate shall include the cost of all labour, material etc complete job including bailing out water to keep the area dry but excluding the cost of shuttering as per drawings and technical specifications as directed by Engineer-In-Charge.	CUM	100.00	6604.20	660420.00

Item No	Description of Items	Unit	Quantity	Rate	Amount
1.6	Reinforcement: Supply, cutting, bending, with all leads, lifts and depths, fixing in position reinforcement of any diameter, HYSD or TMT as per relevant BIS specification and drawing in all RCC works of this schedule 1. The rate shall include cost of all material including laps, tying wire, binding wire, cover block, provision of stools, chairs, spacer bars, support bars, labour, transportation, storing and all other incidental charges, tools & plants etc complete. Payment shall be made as per theoretical requirement and no wastage shall be paid. Rate shall include all costs.	MT	230.00	99410.20	22864346.00
1.7	Centring and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, raft foundation of washable aprons, Pile caps, Footings of FOB etc.	SQM	2400.00	213.30	511920.00
1.8	Providing and laying in position machine mixed, machine vibrated and machine batched Design Mix Cement Concrete M35 grade (Cast in-Situ) using 20mm graded crushed stone aggregate and coarse sand of approved quality in RCC raft foundation & Pile cap including finishing, using Admixtures in recommended proportions (as per IS:9103), if approved in Mix design to accelerate or retard setting of concrete and/or improve workability without impairing strength and durability complete as per specifications and direction of the Engineer in charge. Payment for reinforcement and shuttering shall be paid extra.	CUM	1310.00	8399.70	11003607.00
1.9	Painting below GL: Providing anticorrosive treatment to the parts of substructure in contact with earth upto GL with one coat of primer and two coats of Anticorrosive Coal Tar Epoxy Paint below the ground level on Pile caps, Piers, abutments etc with all labour material tools and plants complete job.	SQM	520.00	66.40	34528.00
2.0	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 1200 mm dia. R.C.C. pipe	RM	150.00	5737.90	860685.00
TOTAL SCHEDULE-1 =					46625948.00
SCHEDULE-2:- SUPERSTRUCTURE OF LIGHT ROB					
2.1	Procurement, Supply, Fabricating, Sand blasting, Metalizing, Painting of Structural Steel confirming to Grade E 250 (FE 410W), quality B of IS:2062-2006 for Light ROB including loading, leading, unloading, stacking of the structural steel, trial assembly etc. complete job with contractor consumables, energy/power, labours, tools, plants and equipments, fabrication shall be as approved structural and fabrication drawing including trial assembly.	MT	100	130004.90	13000490.00

Item No	Description of Items	Unit	Quantity	Rate	Amount
2.2	Launching of steel light ROB in Railway span and approaches (by any method which is to be approved by competent authority of Railway or engineer-in-charge) & placing in position true to line and level including pulling, pushing, lateral shifting, loading, unloading complete in all respect as per drawing and specifications observing all safety measure, obtaining block of train movement with appropriate authority, providing suitable diversion if required etc complete job. Erection work includes preparation and approval of erection/ assembly/ launching scheme. Rate shall include cost of all labours, lead, lift ascent, decent, crossing of traffic road. The job of erection includes erection and fixing of bearings in correct position, the item also includes lowering and placing of the girder on bearings and its centering/aligning.	MT	100	25458.90	2545890.00
2.3	Centring and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies, FOB slabs, walkway slabs and access platform.	SQM	800.00	355.10	284080.00
2.4	Extra for additional height in centering, shuttering wherever required with adequate bracing, propping etc. including cost of de-shuttering and de-centering at all levels, over a height of 3.5m for every additional height of 1 metre or part thereof in suspended floors, roofs, landing, beams and balconies (plan area to be measured)	Sqm	800.000	139.40	111520.00
2.5	Extra for every subsequent 3m height (or part thereof) above floor two level from plinth level for concrete work in superstructure	CUM	330.00	206.80	68244.00
2.6	Providing and installing Single strip seal expansion joints as per Clause 2607 of MORTH specifications for Road and Bridge Works (Fourth Revision) 2001 supplemented with manufacturer's recommendations. Entire installation is to be carried out strictly in the presence of manufacturer's representative only, at all times. The seal of the expansion joint shall be such as not to permit any dust collection at all times. With maximum allowable movement upto 80 mm.	RM	20.00	13,444.50	268890.00
2.7	Reinforcement: Supply, cutting, bending, with all leads, lifts and depths, fixing in position reinforcement of any diameter, HYSD or TMT as per relevant BIS specification and drawing in all RCC works of this Schedule 2. The rate shall include cost of all material including laps, tying wire, binding wire, cover block, provision of stools, chairs, spacer bars, support bars, labour, transportation, storing and all other incidental charges, tools & plants etc complete. Payment shall be made as per theoretical requirement and no wastage shall be paid. Rate shall include all costs.	MT	15.00	99410.20	1491153.00

Item No	Description of Items	Unit	Quantity	Rate	Amount
2.8	Providing and laying in position machine mixed, machine vibrated and machine batched Design Mix Cement Concrete M35 grade (Cast in-Situ) using 20mm graded crushed stone aggregate and coarse sand of approved quality in RCC deck slab including finishing, using Admixtures in recommended proportions (as per IS:9103), if approved in Mix design to accelerate or retard setting of concrete and/or improve workability without impairing strength and durability complete as per specifications and direction of the Engineer in charge. Payment for reinforcement and shuttering shall be paid extra.	CUM	110.00	8871.40	975854.00
2.9	Painting over exposed surfaces: Painting the exposed surfaces of superstructure with Anticarbonation / Anticorrosive Acrylic Paint with all labour material tools and plants complete job including surface preparation at joints in approved colour.	SQM	1100.00	218.70	240570.00
2.10	Wearing Coarse (40mm Thick): Providing and laying cement concrete 1:2:4 in dampproof course (1 cement : 2 sand : 4 graded stone aggregate 12.5mm nominal size - excluding the cost of cement and including providing, fixing and removal of forms.	SQM	850.00	395.40	336090.00
TOTAL SCHEDULE-2 =					19322781.00
SCHEDULE-3:- RCC BOX DRAIN & LC CLOSING WALL					
3.1	Earthwork in excavation for foundations and floors of the bridges, retaining walls etc. including setting out, dressing of sides, ramming of bottom, getting out the excavated material, back filling in layers with approved material and consolidation of the layers by ramming and watering etc. including all lift, disposal of surplus soil upto a lead of 300m, all types of shoring and strutting with all labour and material complete as per drawing and technical specification as directed by Engineer in charge.	CUM	600.00	451.80	271080.00
3.2	Providing hand packed dry flat brick flooring, class designation 7.5 (FPS Bricks), excluding pointing with joints filled with sand over a bed of dry sand (ordinary) of average thickness 25 mm including ramming sub grade.	SQM	365.00	365.90	133553.50
3.3	Providing and laying plain cement concrete M15 (aggregate 20mm nominal size) under the drain / foundations. The rate shall include the cost of all labour, material etc complete job including bailing out water to keep the area dry but excluding the cost of shuttering as per drawings and technical specifications as directed by Engineer-In-Charge.	CUM	40.00	6604.20	264168.00
3.4	Reinforcement: Supply, cutting, bending, with all leads, lifts and depths, fixing in position reinforcement of any diameter, HYSD or TMT as per relevant BIS specification and drawing in all RCC works of this schedule 1. The rate shall include cost of all material including laps, tying wire, binding wire, cover block, provision of stools, chairs, spacer bars, support bars, labour, transportation, storing and all other incidental charges, tools & plants etc complete. Payment shall be made as per theoretical requirement and no wastage shall be paid. Rate shall include all costs.	MT	30.00	99410.20	2982306.00

Item No	Description of Items	Unit	Quantity	Rate	Amount
3.5	Centring and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, raft foundation of washable aprons, Pile caps, Footings of FOB etc.	SQM	1300.00	213.30	277290.00
3.6	Providing and laying in position machine mixed, machine vibrated and machine batched Design Mix Cement Concrete M35 grade (Cast in-Situ) using 20mm graded crushed stone aggregate and coarse sand of approved quality in RCC box drain including finishing, using Admixtures in recommended proportions (as per IS:9103), if approved in Mix design to accelerate or retard setting of concrete and/or improve workability without impairing strength and durability complete as per specifications and direction of the Engineer in charge. Payment for reinforcement and shuttering shall be paid extra.	CUM	300.00	8399.70	2519910.00
TOTAL SCHEDULE-3 =					6448307.50
SCHEDULE-4:- DEWATERING, DISMANTLING AND OTHER MISCELLANEOUS WORK					
4.1	Dewatering by mechanical pumping (10HP) of water (not run by electricity).	Hours	1920.00	597.40	1147008.00
4.2	Dismantling of existing structures like comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres.	CUM	200.00	636.30	127260.00
4.3	Miscellaneous work as desired by engineer-in-charge to be executed as per USSOR-2012 with 53.54% price escalation.	LS			2000000.00
TOTAL SCHEDULE-4 =					3274268.00
SCHEDULE-5:- SAFETY PROVISIONS					
5.1	Supply, Fabrication & Providing at site the barricading Boards as per the direction of the Engineer-in-charge and drawing approved by Engineer-in-charge including painting, writing, maintaining during the course of execution of the work along the work site (the qty of barricading board to be decided by the Engineer-in-charge). NOTE:- After completion of the work, the cost of the said boards shall be recovered from the Contractors Bill @ ₹32,000/- (Rupees Twenty Four Thousand only) per MT for the Quantity paid in this item.	MT	7.50	89545.90	671594.25
TOTAL SCHEDULE-5 =					671594.25
Total of Schedule (1+2+3+4+5) =					76342898.75
Add- As per LOA 6.1%					4656916.82
Total of Schedule					80999815.57
Add GST @18%					14579966.80
Contract Value					95579782.38
Say					95579782


ABM/e
23/11/24

Signature Not Verified

BOQ

Digitally signed by Dilip Kumar Singh
Date: 2025.01.15 12:24:12 IST
Location: eProcurement System for
Central PSUs