



इरकॉन इन्टरनेशनल लिमिटेड
(भारत सरकार का उपक्रम)
IRCON INTERNATIONAL LIMITED
(A Govt. of India undertaking)
An integrated Engineering and Construction Company



121/C, Mandir Marg, Ashok Nagar, Ranchi - 834002 (Jharkhand)
E-mail : crcp.2071@ircon.org

No.: IRCON/2071/JCRL//Station Buildings/PKG-VII/LOA/ 617
(Original)

Date: 31.07.2023

To,
M/s. Raja Construction,
c/o Sh. Mahindra Singh Yadav,
Taj Colony, Panchaitiya Akhara,
Gaya, Bihar - 8230001
Email - rajaconstructionbihar@gmail.com

(Letter of Acceptance)

Sub: Construction of Station Buildings, Staff Quarters, Platforms, Goods Platforms at Kathautia, Shahpur, Duari, Pathalgada, Ichak Khurd, Simariya, and Kharika Railway Stations, in connection with Construction of Kathautia-Shivpur New BG Electrified Rail line Project in the State of Jharkhand (PKG-VII).

Ref: (i) NIT No. : IRCON/2071/JCRL/e-Tender/Station Buildings/PKG-VII Date:20.04.2023
(ii) Corrigendum No. 01 dated 01.05.2023
(iii) Technical Bid opened on 18.05.2023 & Financial Bid opened on 03.07.2023

With reference to the above, this is to inform you that your offer for the subject work has been accepted by the Competent Authority for and on behalf of Ircon International Limited at a total value of **Rs. 24,09,02,423.08** (Rupees Twenty-Four Crore Nine Lakh Two Thousand Four Hundred Twenty-Three and Eight Paise only) including GST @ 18%. The summary of BOQ accepted by the Competent Authority is enclosed herewith as Annexure-A.

The important terms & conditions of above tender are mentioned in brief below, however the clauses as mentioned in tender documents shall be final and binding.

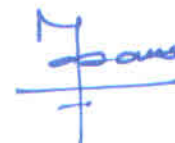
- 1. Performance Security** - In terms of SCC Clause 16.1 read with GCC Clause 8.1 & Corrigendum No. 1 to the tender documents, you are requested to submit performance security within 21 (Twenty-One) days from the date of issue of this Letter of Acceptance (LOA) in the form of irrevocable bank guarantee on the proforma annexed as Annexure-II (addressed to - Ircon International Ltd., acting through Project-in-charge, Coal Rail Connectivity Project, 121/C, Mandir Marg, Ashok Nagar, Ranchi, Jharkhand - 834002) for an amount of **Rs. 1,94,46,357.00** (Rupees One Crore Ninety-Four Lakh Forty-Six Thousand Three Hundred Fifty-Seven Only) [i.e. 5% (five percent) of the derived contract value plus additional performance security as required in terms of SCC Clause 8.1(iv)], from any schedule bank having validity upto 60 days beyond the stipulated date of completion.

पंजीकृत कार्यालय : सी-4, डिस्ट्रिक्ट सेंटर, साकेत, नई दिल्ली - 110017, भारत

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CIN : L45203DL1976GOI008171



2. **Completion Period** – In terms of SCC Clause 11.0, the completion period of the work is 18 (Eighteen) months from the date of issue of this letter acceptance including monsoon period. The work has to be executed in co-ordination with other agencies working on or near the project.
3. **Work Programme** - In terms of SCC Clause 11.3, you are requested to submit within 7 (seven) days of issue of this Letter of Acceptance and before the work is commenced, a detailed programme for each major element of the work, using the modern networking techniques for project monitoring, for approval of the Engineer. The construction programme will show the general methods, arrangements, order and timing for all significant activities in the work identifying the critical path for the work clearly, along with monthly cash flow. The programme shall clearly provide for and indicate the time required for preliminaries before starting the work and shall indicate the details of commencement and completion of the various sections of the work.
4. **Milestones** - In terms of SCC Clause 11.1, certain milestones during execution of works are required to be achieved.
5. **Accepted Rates & Price Variation** – The quoted rates shall be deemed to include all the cost towards the complete scope of work of contractor as detailed in the tender documents including cost of materials, labour, plant & machineries, supervision, overhead, profit, insurances including transit insurances, replacement / correction of defective works, incidentals etc. and all the taxes & duties etc. complete. Nothing extra over the accepted rates shall be payables unless noted expressly otherwise in the tender documents. However, the contract price adjustment / price variation shall be dealt as per SCC Clause 8.0.
6. **Mobilisation Advance** – Payment of mobilisation advance shall be dealt as per SCC Clause 3.0
7. **Defect Liability Period** – The contractor shall maintain, rectify and make good at his own cost any defect/deficiencies, which may develop in the work or as notified by the Engineer during Defect Liability Period for 12 months from the date of completion of work as per SCC Clause 11.0.
8. **Insurance** – In terms of SCC Clause 13.0, before commencement of works, you are requested to obtain necessary insurance cover, at your own cost, as per the details provided in the clause.
9. **Contract Agreement** – In terms of GCC Clause 12.5, you are requested to attend the Office of GM/PH/CRCP, Ircon International Ltd., 121/C, Mandir Marg, Ashok Nagar, Ranchi, Jharkhand - 834002, for signing of contract agreement, within 28 days of issue of this LOA. The format of contract agreement is enclosed as Annexure-I. The stamp paper of the requisite value as per the prevailing laws shall be provided by you at your own cost. The original agreement shall be retained by Employer/Engineer and a certified copy shall be made available to the you.
10. **Security Deposit/Retention Money** – To be dealt as per GCC Clause 8.2 & 8.4.



11. You are advised to mobilise the resources to commence the work immediately. Please contact the undersigned at Project Office Address: Ircon International Ltd., 121/C, Mandir Marg, Ashok Nagar, Ranchi, Jharkhand – 834002 for further instructions.
12. The conditions mentioned above in this LOA are a brief reference of the terms of the tender documents. The detailed terms & conditions shall be as per NIT, Tender Documents & Corrigendum, which shall be an integral part of this contract and shall be binding on you.
13. The Letter of Acceptance, along with your submitted offer, shall constitute a binding contract between **M/s. Raja Construction** and Ircon International Ltd., till the formal agreement is drawn and executed.
14. This is a conditional offer and being issued in duplicate. You are requested to return one copy of this letter of acceptance duly accepted, signed & stamped on each page by your authorised representative. Acceptance of this LOA shall mean that you have accepted the conditional order as well.

Thanking you,

For & on behalf of
Ircon International Ltd.


(Mohan Singh) 31.07.23
GM/PH/CRCP

Encl: 1. Annexure-A (BOQ)
2. Annexure-I (Form of Agreement)
3. Annexure-II (PBG Format)

Copy to

1. CGM/Works-II, IRCON, Saket, New Delhi - for kind information
2. CGM/Electrical, IRCON, Patna - for kind information
3. AGM/Finance, IRCON, Ranchi - for information

BOQ - BILL OF QUANTITY

Name of work: "Construction of Station Building, Staff Quarters, Platforms, Goods Platforms at Kathautia, Shahpur, Duari, Pathalgada, Ichak Khurd, Simariya, and Kharika Railway Stations, in connection with Construction of Kathuatia-Shivpur New BG Electrified Rail line Project. (PKG-VII)"

S.No.	Description	Estimated Amount (In Rs.) (Ex-GST)
1	SCHEDULE (A) : Preparation and supply of GAD, Structural design	1,28,433.87
2	SCHEDULE (B) : Construction of station building	7,30,80,202.71
3	SCHEDULE (C): Construction of staff quarters	5,24,32,925.83
4	SCHEDULE (D): Construction of Rail level platform	5,84,79,192.43
5	SCHEDULE (E): Construction of goods platform 15m wide	4,66,63,925.27
3	SCHEDULE (F): Electrical Fitting	38,99,684.63
4	SCHEDULE (G): Unforesenn Items	60,92,372.88
		24,07,76,737.62
	Add : GST @ 18%	4,33,39,812.77
	Total Estimated Cost	28,41,16,550.39

Rate Quoted

: 15.21% Below

Total Quoted Amounting incl. GST @ 18%

Rs. 24,09,02,423.08

(Rupees Twenty-Four Crore Nine Lakhs Two thousand Four Hundred Twenty-Three and Eight Paise Only)

BILL OF QUANTITY

Name of work: "Construction of Station Building, Staff Quarters, Platforms, Goods Platforms at Kathautia, Shahpur, Duari, Pathalgada, Ichak Khurd, Simariya, and Kharika Railway Stations, in connection with Construction of Kathautia-Shivpur New BG Electrified Rail line Project. (PKG-VII)"

S.No.	Description	Unit	Quantity	Rate	Amount (In Rs.) (Ex-GST)
SCHEDULE (A) : Preparation and supply of GAD, Structural design & drawing					
1	GAD Preparation and approval : Geographical survey of the site, preparation of layout plan showing location of blocks and allied amenities unit plan, block plan and elevation, drainage and water harvesting scheme, sewerage system showing sewer lines and septic tank/soak pits, water supply system, Electric supply system showing water mains and pump house/water tank etc. Boundary wall/compound wall/fencing and any other drawing necessary to complete the work.	Set	3.000	20,425.09	61,275.27
2	Structural design and drawing of Station Buildings and Staff Quarters at different location, slab over drain and culverts etc and vetting/proof checking from NIT/any other state Government Engineering College.	Set	3.000	22,386.20	67,158.60
Total of Schedule - (A)					1,28,433.87
SCHEDULE (B) : Construction of station building, ORH, SRH & health unit. (Considering plinth area 350 Sqm of building)					
1	Earth work in excavation as per approved drawings and dumping at embankment site or spoil heap, within railway land, including 50m lead and 1.5m lift, the lead to be measured from the centre of gravity of excavation to centre of gravity of spoil heap; the lift to be measured from natural ground level and paid for in layers of 1.5m each including incidental work as per specifications all kind of soil.	Cum	16,000.000	113.98	18,23,680.00
2	Extra over item 011010 for excavation in foundations for buildings and bridges to cover dressing to neat dimension and plumbing sides etc. Note : Dressing under this item is payable for the total quantity of excavation in foundation and not partly.	Cum	16,000.000	12.43	1,98,880.00
3	Dressing surface (average excavation or filling upto 15 cm) including removing vegetation in all kind of soil. Payment against this item is to be made only if it is not included in earth work item.	per 10 Sqm	4,000.000	75.91	3,03,640.00
4	Supplying and filling sand in plinth and under floors including watering, ramming, consolidating and dressing complete	Cum	800.000	734.41	5,87,528.00
5	Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	1,600.000	3,510.36	56,16,576.00
6	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	1,600.000	3,510.36	56,16,576.00
7	Extra over items 051010 & 051020 for brick work in superstructure beyond plinth level upto floor two level :	Cum	680.000	171.10	1,16,348.00
8	Brick work in half brick wall (115mm to 125mm thick wall) Cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	448.000	414.60	1,85,740.80
9	1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 40mm nominal size)	Cum	800.000	3,092.32	24,73,856.00
10	1:1.5:3 (1 cement : 1.5 sand : 3 graded stone aggregate 20mm nominal size)	Cum	800.000	3,547.02	28,37,616.00
11	Providing & laying in position cement concrete of Sqm upto plinth	Cum	8.000	3,480.79	27,846.32

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S.No.	Description	Unit	Quantity	Rate	Amount (In Rs.) (Ex-GST)
12	Providing and laying in position M-20 Grade concrete for reinforced concrete structural elements, but excluding cost of centering, shuttering, reinforcement and Admixtures in recommended proportion (as per IS:9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer in charge				
(a)	All work upto plinth level including raft foundation of washable aprons, HS tank, pile cap, footings of FOB and Platform shelter etc.	Cum	800.000	4,071.65	32,57,320.00
(b)	All works in buildings above plinth level upto floor two level	Cum	1,200.000	4,410.06	52,92,072.00
13	Centering and shuttering including strutting, propping etc. and removal of form for :				
(a)	Foundations, footings, bases of columns, raft foundation of washable aprons, Pile caps, Footings of FOB etc.	Sqm	1,200.000	168.52	2,02,224.00
(b)	Suspended floors, roofs, landings, balconies, FOB slabs, walkway slabs and access platform	Sqm	3,200.000	280.59	8,97,888.00
(c)	Lintels, beams, plinth beams, bed blocks, girders, bressumers and cantilevers	Sqm	2,000.000	245.57	4,91,140.00
(d)	Column, pillar, post & struts	Sqm	2,000.000	343.98	6,87,960.00
14	Supplying and applying shuttering oil for mould releasing, having (flash point 54°C and specific gravity 0.88±0.02) for concrete formwork to be applied either by brush or with spray machine to the entire satisfaction of Engineer Incharge	Sqm	8,400.000	9.77	82,068.00
15	Providing precast plain cement concrete jali 1:2:4 (1 cement : 2 sand : 4 stone chips 12.5mm nominal size) including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand) including the cost of centering, shuttering and finishing complete including the cost of cement and of plastering of jambs, sills and coffite				
(a)	40 mm thick.	Sqm	48.000	416.46	19,990.08
16	Providing and laying Dry Brick (FPS bricks of class designation 7.5) edging of full brick width and half brick depth including excavation, refilling / ramming and disposal of surplus earth lead upto 50m	m	480.000	104.73	50,270.40
17	Sub-base with stone aggregate 90mm to 45mm including stone screening 13.2mm size	CUM	40.000	2,345.69	93,827.60
18	Providing and laying brick flat soling with jhama bricks.	Sqm	4,000.000	150.85	6,03,400.00
19	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete				
(a)	25mm thick cement concrete flooring 1:2:4 with 12.5mm nominal size stone aggregate.	Sqm	2,800.000	141.40	3,95,920.00
(b)	40mm thick cement concrete flooring 1:2:4 with 20mm nominal size stone aggregate.	Sqm	2,800.000	196.06	5,48,968.00
20	Precast Chequered factory made terrazzo tiles 22mm thick with graded marble chips size upto 6mm in floors jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing of cement slurry complete on 20mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand)				
(a)	Precast chequered factory made terrazzo tiles 22 mm thick with white cement with pigment	Sqm	400.000	894.73	3,57,892.00
21	Providing and fixing 1st quality ceramic tiles conforming to Group B-III (Ceramic Wall Tiles) of IS:15622 of manufacturers approved by railway in all colours, shades, and design as approved by the Engineer-in-Charge in skirting, risers of steps and dado over 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mixed with pigment of matching shade complete				
(a)	200x200 mm	Sqm	400.000	743.92	2,97,568.00
(b)	300x450 mm and above	Sqm	400.000	1,006.84	4,02,736.00



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S.No.	Description	Unit	Quantity	Rate	Amount (In Rs.) (Ex-GST)
22	Kota stone slab flooring of size up to 30cmx30cm over 20mm (average) thick base of 1:4 cement mortar (1 cement : 4 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete				-
(a)	25mm thick tiles/slab	Sqm	400.000	1,222.01	4,88,804.00
23	Providing and fixing 18mm thick mirror polished, machine cut for kitchen platforms, vanity counters facias, dados and skirtings and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touchups, including rubbing, curing etc. complete at all levels	Sqm	400.000	3,748.53	14,99,412.00
25	Pointing on brick work with cement mortar 1:3 (1 cement : 3 fine sand)				-
(a)	Flush/Ruled/Stuck pointing in cement and sand 1:3.	Sqm	1,600.000	57.07	91,312.00
26	12mm cement plaster of mix				-
(a)	In cement and sand (1:4).	Sqm	400.000	76.15	30,460.00
(b)	In cement and sand (1:6).	Sqm	8,000.000	76.15	6,09,200.00
27	18mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge/rubber pad	Sqm	1,040.000	127.50	1,32,600.00
28	6mm cement plaster 1:3 (1 cement : 3 fine sand) finished with a floating coat of neat cement and thick coat of lime wash on top of walls when dry for bearing of R.C.C. slabs and beams	Sqm	1,200.000	86.48	1,03,776.00
29	Neat cement punning	Sqm	2,536.000	15.96	40,474.56
30	Providing and applying plaster of Paris putty of 2mm average thickness over plastered surface to prepare the surface even and smooth complete	Sqm	1,704.000	113.34	1,93,131.36
31	White washing with lime to give an even shade				-
(a)	New work(Three or more coats)	Sqm	8,000.000	11.79	94,320.00
32	finishing wall with water-proofing cement paint of required shade etc.				-
(a)	Two or more coats to give smooth, uniform, even shade two or more coats on new work applied @ 3.84 Kg/10 Sqm.	Sqm	4,000.000	49.91	1,99,640.00
33	Distempering two or more coats on new work with 1st quality acrylic washable distemper (ready mixed) of approved manufacturer and of required shade and colour complete as per manufacturer's specification				-
(a)	Two or more coats on new works to give smooth, uniform, even shade etc.	Sqm	2,800.000	46.33	1,29,724.00
34	Providing wood work in frames of doors, windows, clerestory windows and other frames and trusses, wrought, framed and fixed in position :				-
(a)	Sal wood	Cudm	24,000.000	95.49	22,91,760.00
35	Providing and fixing panelled/glazed or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled M.S. butt hinges with necessary screws excluding panelling/glazing which will be paid for separately				-
(a)	Kiln seasoned and chemically treated hollock wood ,35 mm thick	Sqm	240.000	1,579.51	3,79,082.40
36	Hollock wood or locally available comparable species of country wood (to be listed by respective railway).				-
(a)	- Kiln seasoned & chemically treated - 15mm thick	Sqm	120.000	1,284.74	1,54,168.80
(b)	Glazing with float glass panes 4mm thick (10kg/sqm)	Sqm	80.000	430.11	34,408.80
37	Providing and fixing to IS:2202 Part-1 marked flush door shutter decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3-ply veneering with vertical grains or cross bands and face veneers on both faces of shutters - 35mm thick including ISI marked stainless steel butt hinges with necessary screws	Sqm	640.000	3,053.12	19,53,996.80



S.No.	Description	Unit	Quantity	Rate	Amount (In Rs.) (Ex-GST)
38	Fabricating, supplying & installing stainless steel railings for staircases, balconies, FOBs, Enquiry/ Reservation complex etc., made of SS 304 Grade stainless steel, laser cut / water jet cut (no shearing), polished with Automatic round/flat polishing machine to get a uniform hairline finish. All parts shall be connected to each other with the help of prescribed size CNC made solid connectors, countersunk screws. Welding should be finished ensuring that no welding marks are visible and assembly is mounted on floor with the help of dash fasteners. Railings shall be fabricated as per approved drawings by engineer-in-charge. Manufacturer shall submit maintenance manual and basic material test report for	Kg	1,600.000	839.58	13,43,328.00
39	Providing and fixing M.S. pressed butt hinges generally conforming to IS:1341, bright satin finish with necessary screws etc. complete of size				-
(a)	50mmx37mmx1.5mm	each	600.000	12.08	7,248.00
(b)	75mmx47mmx1.7mm	each	1,936.000	20.47	39,629.92
(c)	100mmx58mmx1.9mm	each	1,792.000	33.22	59,530.24
(d)	125mmx65mmx2.12mm	each	720.000	41.06	29,563.20
40	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete				-
(a)	100mmX10mm	each	1,280.000	60.38	77,286.40
(b)	150mmX10mm	each	1,280.000	83.76	1,07,212.80
41	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete				-
(a)	75mm	each	288.000	59.90	17,251.20
(b)	100mm	each	288.000	71.79	20,675.52
(c)	125mm	each	736.000	65.68	48,340.48
42	Providing and fixing to existing door frame 30mm thick factory made Poly Vinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60mmx30mm and wall thickness 2mm±0.2mm with inbuilt decorative mould-in edging on one side. The styles and rails mitered and joined at corners by means of MS galvanized/plastic bracket of size 75mmx220mm, having wall thickness 1.0mm and stainless steel screws. Styles of shutter, reinforced by inserting galvanized MS tube of size 20mmx20mm and 1mm ± 0.1 mm wall thickness. Lock rail made of 'H' section, a uPVC hollow section of size 100mmx 30mm and 2mm ± 0.2m wall thickness fixed to shutter styles by means of plastic/galvanized MS 'U' cleats. Shutter frame filled with a uPVC multi-chambered single panel of size not less than 610mm, having overall thickness of 20mm and 1mm ± 0.1 mm wall thickness. Panels filled vertically with tie bar at two places by inserting horizontally 6mm galvanized MS rod and fastened with nuts and washers.	Sqm	120.000	3,267.92	3,92,150.40
43	Providing and fixing to existing door frame 35mm thick factory made Poly Vinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 35mmx110mm and wall thickness 2mm±0.2mm with inbuilt decorative moulding edging on one side. Styles of shutter reinforced by inserting PVC section of size 28mmx30mm of 1.5mm ± 0.2mm wall thickness. Styles and rails mitered and welded corners. Lock rail made of 'H' section, a uPVC profile section of size 35mmx105mm and 2mm ± 0.2m wall thickness welded to shutter styles, shutter frame filled with a uPVC multichambered single panel of size not less than 610mm, having overall thickness of 20mm and 1mm ± 0.1mm wall thickness with 20mm moulding panel beading of size 8.5mmx15mm complete as	Sqm	53.200	4,564.92	2,42,853.74
44	Using M.S. angles 40mmx40mmx6mm for diagonal braces	Sqm	120.000	2,831.11	3,39,733.20



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S.No.	Description	Unit	Quantity	Rate	Amount (In Rs.) (Ex-GST)
45	Providing and fixing M.S. sliding door bolts generally conforming to IS:281, bright satin finish or black stone enamelled with nuts and screws etc. complete of size - 250mmx16mm	each	288.000	166.63	47,989.44
46	Providing and fixing IS:3564 marked aluminium die cast body tubular type universal hydraulic door closer, hardwyn make (Classic Queen) or equivalent with necessary accessories and screws etc. complete	each	288.000	978.62	2,81,842.56
47	Providing and fixing in position collapsible steel shutters with vertical channels 20mmx10mmx2mm and braced with flat iron diagonals 20mmx5mm size with top and bottom rail of T-iron 40mmx40mmx6mm with 40mm dia. steel pulleys complete with bolts, nuts, locking arrangement, stoppers, handles and hold fasts including applying a priming coat of approved steel primer	Sqm	200.000	3,947.93	7,89,586.00
48	Fixed to opening / wooden frames with rawl plugs screws etc.	kg	8,000.000	103.23	8,25,840.00
49	Structural steel work welded in built up sections, trusses and framed work, girders, stagings, racks, etc. including cutting, bending, straightening, hoisting, fixing in position including applying a priming coat of approved steel primer complete - upto 6m height above G.L.				-
(a)	In RSJ, tees, angles and channels	Kg	4,000.000	106.34	4,25,360.00
(b)	In flats, plates, round or square bars	Kg	4,000.000	102.63	4,10,520.00
50	Providing and fixing medium grade G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the wall etc. : Concealed pipe including painting with anticorrosive bitumestic paint cutting chase and making good the wall				-
(a)	15mm dia	m	320.000	229.73	73,513.60
(b)	20mm dia	m	528.000	300.73	1,58,785.44
(c)	25mm dia	m	112.000	345.01	38,641.12
51	Providing and fixing medium grade G.I. pipes complete with G.I. fittings including trenching and refilling etc. : External Work				-
(a)	32mm dia	m	80.000	344.69	27,575.20
(b)	40mm dia	m	80.000	432.66	34,612.80
(c)	50mm dia	m	80.000	544.97	43,597.60
52	Miscellaneous G.I. pipe fittings as nipples / elbows / sockets / bends for G.I. pipe work				-
(a)	Supply of miscellaneous G.I. fitting	Kg	4,000.000	162.26	6,49,040.00
53	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end)				-
(a)	25mm dia	each	24.000	790.24	18,965.76
(b)	32mm dia	each	16.000	1,123.36	17,973.76
(c)	40mm dia	each	16.000	1,498.50	23,976.00
(d)	50mm dia	each	16.000	2,137.57	34,201.12
54	Providing and placing on terrace/staging (at all heights) polyethylene water storage tank ISI:12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	litre	48,000.000	8.01	3,84,480.00
55	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast iron 'P' or 'S' trap, 10 litres low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS:7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required				-
(a)	White Vitreous China Orissa pattern W.C. pan of size 580mmx440mm with integral type foot rests	each	32.000	3,964.19	1,26,854.08
56	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litres low level white, P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS:7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required				-
(a)	W.C. pan with ISI marked white solid plastic seat and lid	each	8.000	3,701.45	29,611.60



 Rihit

S.No.	Description	Unit	Quantity	Rate	Amount (In Rs.) (Ex-GST)
57	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430mmx260mmx350mm and 340mmx410mmx 265mm sizes, respectively with automatic flushing cistern, with standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors, wherever required				-
(a)	One urinal basin with 5 litres white P.V.C. automatic flushing cistern	each	32.000	3,253.08	1,04,098.56
58	White vitreous china flat back wash basin size 550 mmx400mm with single 15mm C.P. brass pillar tap	each	32.000	2,153.39	68,908.48
59	Providing and fixing Stainless Steel AISI-304 (18/8) kitchen sink with drain board as per IS:13983 with C.I. brackets and stainless steel plug 40mm including painting of fittings and brackets, cutting and making good the walls, wherever required :510mmx1040mm bowl depth 250mm	each	32.000	5,030.40	1,60,972.80
60	Providing and fixing 600mmx450mm bevelled edge mirror, 5.5mm thick of float glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete	each	32.000	1,014.77	32,472.64
61	Providing and fixing brass stop cock of approved quality				-
(a)	15mm dia	each	240.000	311.87	74,848.80
(b)	20mm dia	each	64.000	423.58	27,109.12
62	Providing and fixing ball valve (brass) of approved quality complete high or low pressure with plastic floats complete :40mm nominal bore	each	16.000	718.81	11,500.96
(b)	Bib cock 15 mm dia.	each	96.000	313.71	30,116.16
63	Providing and fixing C.P. brass shower rose with 15mm or 20mm inlet :				-
(a)	100 mm diameter	each	40.000	341.54	13,661.60
64	Supplying, fitting and fixing soap tray of size 150mmx150mm vitreous (concealed type) with all necessary fittings etc. completed as directed by the Engineer-in-charge	each	48.000	385.85	18,520.80
65	Providing and fixing Aluminium anodized towel rails with brackets :600mm x 20mm dia	each	32.000	337.60	10,803.20
66	Providing and fixing mirror of 5.5mm thickness of float Glass (of approved Quality) required shape and size with plastic moulded frame of approved make and shade with 6mm thick hard board backing - Rectangular shape 453mmx357mm (outer dimension)	Each	32.000	1,007.62	32,243.84
67	Providing and fixing 600mmx120mmx5mm glass shelf with edges round or supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40mm long screws rawl plugs etc complete	each	32.000	564.20	18,054.40
68	Sand cast iron S&S pipes shall not be used except for minor work or due to non availability of centrifugally cast (spun) iron S&S pipe				-
(a)	75mm dia centrifugally cast(SPUN) iron S&S pipe	m	80.000	775.02	62,001.60
(b)	100mm dia centrifugally cast(SPUN) iron S&S pipe	m	80.000	848.50	67,880.00
69	Providing, laying and jointing glazed stoneware pipes grade 'A' as per IS:651 including bends etc. with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc complete				-
(a)	100mm diameter	m	96.000	209.54	20,115.84
(b)	150mm diameter	m	360.000	339.50	1,22,220.00
70	Wall painting on new work with two or more coats of plastic emulsion paint of approved brand and manufacture to give an even shade	Sqm	280.000	71.76	20,092.80

M
20/05/20

Lilt

S.No.	Description	Unit	Quantity	Rate	Amount (In Rs.) (Ex-GST)
71	Supplying, fitting, fixing & installing including boring of 40mm dia. hand tube well assembly India Mark-II having total depth of 50m with the following components as per IS:9301 : i) Hand pump (single acting) India Mark-II, galvanised as per IS:9301-1990. ii) Brass strainer mesh type made of long slotted medium B class G.I. pipes with 80- mesh brass wire net wrapping around the perforated pipe and jacketed by 26 / 28 SWG brass perforated sheet. 40mm dia. (2 lengths of each 1.83m connected with G.I. socket). iii) C.I. cylinder with G.M. parts India Mark-II 65mm dia. x 0.45m long as per IS:9301-1990. iv) G.I. casing pipe 100mm dia. medium quality ISI marked 18m long.) G.I. pipe 40mm dia. medium quality ISI marked 28.35m long. vi) 32mm dia G.I. pipe (riser) medium quality ISI marked 17m long. vii) 12mm dia. bright bar electro galvanised connecting rod, 3m long each as per IS:9301 of length as required. viii) all accessories as per IS:9301-90 such as G.I. reducing socket 100mm x 40mm, C.I. plug cutter 40mm, base plate, M.S. nuts & bolts etc. The work also includes priming, development and testing of the yield (which should be sufficient enough) for seven days with all labour, material, tools and plants complete. ix) 40mm dia.	each	8.000	63,256.67	5,06,053.36
72	Extra / Less for sinking, supplying, fitting, fixing & installing of G.I. riser pipe 32mm dia. medium ISI marked over 17m	each	40.000	381.16	15,246.40
73	Supply of ppc cement	Mt	1,689.192	7,799.33	1,31,74,565.84
74	Supplying reinforcement for RCC work (TMT bars)including straightening ,cutting, bending, placing in position and binding all complete	MT	120.000	78,542.87	94,25,144.40
Total of Schedule - (B)					7,30,80,202.71

SCHEDULE (C): Construction of staff quarters (21 units type II & 14 units type III)

1	Earthwork in filling in embankment, guide bunds, around buried type abutments, bridge gaps, trolley refuges, rain bunds, if provided, platforms etc. with earth excavated from outside railway boundary entirely arranged by the contractor at his own cost as per RDSO's latest guidelines and specifications and special condition of contract including all leads, royalty, lifts, ascents, descents, crossing of nallahs or any other obstructions. The rates shall include all dressing of bank to final profile, demarcation and setting out of profile, site clearance, removing of shrubs, roots of vegetations growth, heavy grass, benching of existing slope of old bank, all handling/re-handling, taxes, octroi and royalty etc. as a complete job. Cut trees shall be property of railways and to be deposited in the railway godown unless specified				
1.1	14 units type III	Cum	3,500.000	169.65	5,93,775.00
1.2	21 units type II	Cum	4,200.000	169.65	7,12,530.00
2	Earth work in excavation as per approved drawings and dumping at embankment site or spoil heap, within railway land, including 50m lead and 1.5m lift, the lead to be measured from the centre of gravity of excavation to centre of gravity of spoil heap; the lift to be measured from natural ground level and paid for in layers of 1.5m each including incidental work as per specifications				
2.1	14 units type III	Cum	1,750.000	113.98	1,99,465.00
2.2	21 units type II	Cum	2,100.000	113.98	2,39,358.00
3	Extra over item 011010 for excavation in foundations for buildings and bridges to cover dressing to neat dimension and plumbing sides etc. Note : Dressing under this item is payable for the total quantity of excavation in foundation and not partly				
3.1	14 units type III	Cum	1,750.000	12.43	21,752.50

M
20/05/20

Light

S.No.	Description	Unit	Quantity	Rate	Amount (In Rs.) (Ex-GST)
3.2	21 units type II	Cum	2,100.000	12.43	26,103.00
4	Extra for watering and ramming earth in foundation and floors in 15cm layers. Note : This item is payable where ramming is not included in the original rate for earthwork in filling	Cum			-
4.1	14 units type III	Cum	875.000	21.81	19,083.75
4.2	21 units type II	Cum	1,312.500	21.81	28,625.63
5	Supplying and filling sand in plinth and under floors including watering, ramming, consolidating and dressing complete				-
5.1	14 units type III	Cum	227.500	734.41	1,67,078.28
5.2	21 units type II	Cum	288.750	734.41	2,12,060.89
6	Cement mortar 1:4 (1 cement : 4 coarse sand)				-
6.1	14 units type III	Cum	350.000	3,510.36	12,28,626.00
6.2	21 units type II	Cum	472.500	3,510.36	16,58,645.10
7	Cement mortar 1:6 (1 cement : 6 coarse sand)				-
7.1	14 units type III	Cum	1,337.000	3,510.36	46,93,351.32
7.2	21 units type II	Cum	1,890.000	3,510.36	66,34,580.40
8	Extra over items 051010 & 051020 for brick work in superstructure beyond plinth level upto floor two level :				-
8.1	14 units type III	Cum	637.000	171.10	1,08,990.70
8.2	21 units type II	Cum	945.000	171.10	1,61,689.50
9	Brick work in half brick wall (115mm to 125mm thick wall) Cement mortar 1:4 (1 cement : 4 coarse sand)				-
9.1	14 units type III	Sqm	700.000	414.60	2,90,220.00
9.2	21 units type II	Sqm	945.000	414.60	3,91,797.00
10	1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 40mm nominal size)				-
10.1	14 units type III	Cum	350.000	3,092.32	10,82,312.00
10.2	21 units type II	Cum	420.000	3,092.32	12,98,774.40
11	1:1.5:3 (1 cement : 1.5 sand : 3 graded stone aggregate 20mm nominal size)				-
11.1	14 units type III	Cum	87.500	3,547.02	3,10,364.25
11.2	21 units type II	Cum	105.000	3,547.02	3,72,437.10
12	Providing and laying in position M-20 Grade concrete for reinforced concrete structural elements, but excluding cost of centering, shuttering, reinforcement and Admixtures in recommended proportion (as per IS:9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer in charge				-
12.1	14 units type III				-
(a)	All work upto plinth level including raft foundation of washable aprons, HS tank, pile cap, footings of FOB and Platform shelter etc.	Cum	105.000	4,071.65	4,27,523.25
(b)	All works in buildings above plinth level upto floor two level	Cum	210.000	4,410.06	9,26,112.60
12.2	21 units type II				-
(a)	All work upto plinth level including raft foundation of washable aprons, HS tank, pile cap, footings of FOB and Platform shelter etc.	Cum	131.250	4,071.65	5,34,404.06
(b)	All works in buildings above plinth level upto floor two level	Cum	262.500	4,410.06	11,57,640.75
13	(Form work)Centering and shuttering including strutting, propping etc. and removal of form for :				-
13.1	14 units type III				-
(a)	Foundations, footings, bases of columns, raft foundation of washable aprons, Pile caps, Footings of FOB etc.	Sqm	525.000	168.52	88,473.00
(b)	Suspended floors, roofs, landings, balconies, FOB slabs, walkway slabs and access platform	Sqm	1,470.000	280.59	4,12,467.30
(c)	Lintels, beams, plinth beams, bed blocks, girders, bressumers and cantilevers	Sqm	700.000	245.57	1,71,899.00
(d)	Columns, pillars, posts and struts	Sqm	700.000	343.98	2,40,786.00
13.2	21 units type II				-



 Filt

S.No.	Description	Unit	Quantity	Rate	Amount (In Rs.) (Ex-GST)
(a)	Foundations, footings, bases of columns, raft foundation of washable aprons, Pile caps, Footings of FOB etc.	Sqm	682.500	168.52	1,15,014.90
(b)	Suspended floors, roofs, landings, balconies, FOB slabs, walkway slabs and access platform	Sqm	1,890.000	280.59	5,30,315.10
(c)	Lintels, beams, plinth beams, bed blocks, girders, bressumers and cantilevers	Sqm	787.500	245.57	1,93,386.38
(d)	Columns, pillars, posts and struts	Sqm	787.500	343.98	2,70,884.25
14	Supplying and applying shuttering oil for mould releasing, having (flash point 54°C and specific gravity 0.88±0.02) for concrete formwork to be applied either by brush or with sorav machine to the entire satisfaction of Engineer Incharge				-
14.1	14 units type III	Sqm	3,395.000	9.77	33,169.15
14.2	21 units type II	Sqm	4,147.500	9.77	40,521.08
15	Providing precast plain cement concrete jali 1:2:4 (1 cement : 2 sand : 4 stone chips 12.5mm nominal size) including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand) including the cost of centering, shuttering and finishing complete including the cost of cement and of plastering of jambs, sills and ceiling				-
15.1	14 units type III	Sqm	63.000	416.46	26,236.98
15.2	21 units type II	Sqm	78.750	416.46	32,796.23
16	Providing and laying Dry Brick (FPS bricks of class designation 7.5) edging of full brick width and half brick depth including excavation, refilling / ramming and disposal of surplus earth lead upto 50m				-
16.1	14 units type III	m	525.000	104.73	54,983.25
16.2	21 units type II	m	735.000	104.73	76,976.55
17	Providing and laying brick flat soling with jhama bricks.				-
17.1	14 units type III	Sqm	1,505.000	150.85	2,27,029.25
17.2	21 units type II	Sqm	2,205.000	150.85	3,32,624.25
18	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 25mm thick with 12.5mm nominal size stone aggregate				-
18.1	14 units type III	Sqm	1,137.500	141.40	1,60,842.50
18.2	21 units type II	Sqm	1,575.000	141.40	2,22,705.00
19	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40mm thick with 20mm nominal size stone aggregate				-
19.1	14 units type III	Sqm	210.000	196.06	41,172.60
19.2	21 units type II	Sqm	262.500	196.06	51,465.75
20	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 50mm thick with 20mm nominal size stone aggregate				-
20.1	14 units type III	Sqm	1,400.000	232.77	3,25,878.00
20.2	21 units type II	Sqm	1,575.000	232.77	3,66,612.75
21	Pointing on brick work with cement mortar 1:3 (1 cement : 3 fine sand) Flush/Ruled/Struck or weathered pointing	Sqm	620.000	57.07	35,383.40
21.1	14 units type III				-
(a)	12mm cement plaster of mix - 1:6 (1 cement : 6 fine sand)	Sqm	4,900.000	76.15	3,73,135.00
(b)	18mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge/rubber pad	Sqm	122.500	127.50	15,618.75
21.2	21 units type II				-




S.No.	Description	Unit	Quantity	Rate	Amount (In Rs.) (Ex-GST)
(a)	12mm cement plaster of mix - 1:6 (1 cement : 6 fine sand)	Sqm	6,300.000	76.15	4,79,745.00
(b)	18mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge/rubber pad	Sqm	157.500	127.50	20,081.25
22	6mm cement plaster 1:3 (1 cement : 3 fine sand) finished with a floating coat of neat cement and thick coat of lime wash on top of walls when dry for bearing of R.C.C. slabs and beams				-
22.1	14 units type III	Sqm	945.000	86.48	81,723.60
22.2	21 units type II	Sqm	1,207.500	86.48	1,04,424.60
23	Neat cement punning				-
23.1	14 units type III	Sqm	700.000	15.96	11,172.00
23.2	21 units type II	Sqm	1,050.000	15.96	16,758.00
24	White washing with lime to give an even shade				-
24.1	14 units type III				-
(a)	New work (three or more coats)	Sqm	2,800.000	11.79	33,012.00
24.2	21 units type II				-
(a)	New work (three or more coats)	Sqm	3,937.500	11.79	46,423.13
25	Finishing walls with water proofing cement paint of required shade two or more coats on new work applied @ 3.84 kg/10 sqm				-
(a)	14 units type III	Sqm	1,750.000	49.91	87,342.50
(b)	21 units type II	Sqm	2,625.000	49.91	1,31,013.75
26	Providing wood work in frames of doors, windows, clerestory windows and other frames and trusses, wrought, framed and fixed in position :				-
26.1	14 units type III				-
(a)	Sal wood	Cudm	10,500.000	95.49	10,02,645.00
26.2	21 units type II				-
(a)	Sal wood	Cudm	13,125.000	95.49	12,53,306.25
27	Providing and fixing panelled/glazed or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled M.S. butt hinges with necessary screws excluding, panelling/glazing which will be paid for separately				-
27.1	14 units type III				-
(a)	Kiln seasoned and chemically treated hollock wood, 35mm thick	Sqm	98.000	1,579.51	1,54,791.98
27.2	21 units type II				-
(a)	Kiln seasoned and chemically treated hollock wood, 35 mm thick	Sqm	105.000	1,579.51	1,65,848.55
28	Providing and fixing panelling/glazing or panelling & glazing in panelled/glazed or panelled & glazed shutters for doors, windows & clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling/glazing for panelled/glazed or panelled & glazed shutters 25mm to 40mm thick	Sqm	98.000	1,284.74	1,25,904.52
28.1	14 units type III				-
(a)	Glazing with float glass panes 4mm thick (10kg/sqm)	Sqm	28.000	430.11	12,043.08
28.2	21 units type II				-
(a)	Providing & fixing panelled/glazed for doors, window hollock wood 15 mm thick etc	Sqm	105.000	1,284.74	1,34,897.70
(b)	Glazing with float glass panes 4mm thick (10kg/sqm)	Sqm	42.000	430.11	18,064.62
29	Providing and fixing M.S. pressed butt hinges generally conforming to IS:1341, bright satin finish with necessary screws etc. complete of size				-
29.1	14 units type III				-
(a)	50mmx37mmx1.5mm	each	203.000	12.08	2,452.24
(b)	75mmx47mmx1.7mm	each	637.000	20.47	13,039.39
(c)	100mmx58mmx1.9mm	each	560.000	33.22	18,603.20
(d)	125mmx65mmx2.12mm	each	210.000	41.06	8,622.60
29.2	21 units type II				-
(a)	50mmx37mmx1.5mm	each	304.500	12.08	3,678.36




S.No.	Description	Unit	Quantity	Rate	Amount (In Rs.) (Ex-GST)
(b)	75mmx47mmx1.7mm	each	955.500	20.47	19,559.09
(c)	100mmx58mmx1.9mm	each	840.000	33.22	27,904.80
(d)	125mmx65mmx2.12mm	each	315.000	41.06	12,933.90
30	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete				-
30.1	14 units type III				-
(a)	100mmX10mm	each	490.000	60.38	29,586.20
(b)	150mmX10mm	each	490.000	83.76	41,042.40
30.2	21 units type II				-
(a)	100mmX10mm	each	735.000	60.38	44,379.30
(b)	150mmX10mm	each	735.000	83.76	61,563.60
31	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete				-
31.1	14 units type III				-
(a)	75mm	each	98.000	59.90	5,870.20
(b)	100mm	each	98.000	71.79	7,035.42
(c)	125mm	each	252.000	65.68	16,551.36
31.2	21 units type II				-
(a)	75mm	each	147.000	59.90	8,805.30
(b)	100mm	each	147.000	71.79	10,553.13
(c)	125mm	each	378.000	65.68	24,827.04
32	Providing and fixing to existing door frame 30mm thick factory made Poly Vinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60mmx30mm and wall thickness 2mm±0.2mm with inbuilt decorative mould-in edging on one side. The styles and rails mitred and joined at corners by means of MS galvanized/plastic bracket of size 75mmx220mm, having wall thickness 1.0mm and stainless steel screws. Styles of shutter, reinforced by inserting galvanized MS tube of size 20mmx20mm and 1mm ± 0.1 mm wall thickness. Lock rail made of 'H' section, a uPVC hollow section of size 100mmx 30mm and 2mm ± 0.2m wall thickness fixed to shutter styles by means of plastic/galvanized MS 'U' cleats. Shutter frame filled with a uPVC multi-chambered single panel of size not less than 610mm, having overall thickness of 20mm and 1mm ± 0.1 mm wall thickness. Panels filled vertically with tie bar at two places by inserting horizontally 6mm galvanised MS rod and fastened with nuts and washers				-
32.1	14 units type III	Sqm	196.000	3,267.92	6,40,512.32
32.2	21 units type II	Sqm	252.000	3,267.92	8,23,515.84
33	Fixed to opening / wooden frames with rawl plugs screws etc.				-
33.1	14 units type III	kg	3,500.000	103.23	3,61,305.00
33.2	21 units type II	kg	4,200.000	103.23	4,33,566.00
34	Structural steel work welded in built up sections, trusses and framed work, girders, stagings, racks, etc. including cutting, bending, straightening, hoisting, fixing in position including applying a priming coat of approved steel primer complete upto 6m height above G.L				-
34.1	14 units type III				-
(a)	In RSJ, Tees, angle & channels	Kg	875.000	106.34	93,047.50
(b)	In flats, plates, round or square bar	Kg	875.000	102.63	89,801.25
34.2	21 units type II				-
(a)	In RSJ, Tees, angle & channels	Kg	1,312.500	106.34	1,39,571.25
(b)	In flats, plates, round or square bar	Kg	1,312.500	102.63	1,34,701.88

S.No.	Description	Unit	Quantity	Rate	Amount (In Rs.) (Ex-GST)
35	Providing and fixing medium grade G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the wall etc. : Concealed pipe including painting with anticorrosive bitumestic paint, cutting chase and making good the wall				
35.1A	14 units type III				
(a)	15mm dia	Rm	350.000	229.73	80,405.50
(b)	20mm dia	Rm	192.500	300.73	57,890.53
(c)	25mm dia	Rm	105.000	345.01	36,226.05
35.1B	Providing and fixing medium grade G.I. pipes complete with G.I. fittings including trenching and refilling etc. : External Work				
(d)	32mm dia	Rm	52.500	344.21	18,071.03
(e)	40mm dia	Rm	52.500	432.66	22,714.65
(f)	50mm dia	Rm	52.500	544.97	28,610.93
35.2A	21 units type II				
(a)	15mm dia	Rm	525.000	229.73	1,20,608.25
(b)	20mm dia	Rm	288.750	300.73	86,835.79
(c)	25mm dia	Rm	157.500	345.01	54,339.08
35.2B	Providing and fixing medium grade G.I. pipes complete with G.I. fittings including trenching and refilling etc. : External Work				
(d)	32mm dia	Rm	78.750	344.21	27,106.54
(e)	40mm dia	Rm	78.750	432.66	34,071.98
(f)	50mm dia	Rm	78.750	544.97	42,916.39
36	Water Supply				
36.1	14 units type III				
(a)	Miscellaneous G.I. pipe fittings as nipples / elbows / sockets / bends for G.I. pipe work	Kg	875.000	162.26	1,41,977.50
36.2	21 units type II				
(a)	Miscellaneous G.I. pipe fittings as nipples / elbows / sockets / bends for G.I. pipe work	Kg	1,312.500	162.26	2,12,966.25
37	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end)				
37.1	14 units type III				
(a)	25mm dia	each	14.000	790.24	11,063.36
(b)	32mm dia	each	14.000	1,123.36	15,727.04
(c)	40mm dia	each	14.000	1,498.50	20,979.00
(d)	50mm dia	each	14.000	2,137.57	29,925.98
37.2	21 units type II				
(a)	25mm dia	each	21.000	790.24	16,595.04
(b)	32mm dia	each	21.000	1,123.36	23,590.56
(c)	40mm dia	each	21.000	1,498.50	31,468.50
(d)	50mm dia	each	21.000	2,137.57	44,888.97
38	Providing and placing on terrace/staging (at all heights) polyethylene water storage tank ISI:12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank				
38.1	14 units type III				
(a)	Providing and placing on terrace/staging (at all heights) polyethylene water Storage tank ISI:12701 marked with cover etc	litre	14,000.000	8.01	1,12,140.00
(b)	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast iron 'P' or 'S' trap, 10 litres low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS:7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required - White Vitreous China Orissa pattern W.C. pan of size 500mm x 440mm with integral base fixture	each	14.000	3,964.19	55,498.66
38.2	21 units type II				
(a)	Providing and placing on terrace/staging (at all heights) polyethylene water Storage tank ISI:12701 marked with cover etc	litre	21,000.000	8.01	1,68,210.00



 Rilt

S.No.	Description	Unit	Quantity	Rate	Amount (In Rs.) (Ex-GST)
(b)	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast iron 'P' or 'S' trap, 10 litres low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS:7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required - White Vitreous China Orissa pattern W.C. pan of size 550mm x 400mm with single 15mm C.P. brass pillar tap	each	21.000	3,964.19	83,247.99
39	Providing and fixing wash basin with C.I./M.S. brackets, 15mm C.P. brass pillar taps, 32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required				-
39.1	White vitreous china flat back wash basin size 550 mmx400mm with single 15mm C.P. brass pillar tap	each	14.000	2,153.39	30,147.46
39.2	White vitreous china flat back wash basin size 550 mmx400mm with single 15mm C.P. brass pillar tap	each	21.000	2,153.39	45,221.19
40	Providing and fixing Stainless Steel AISI-304 (18/8) kitchen sink with drain board as per IS:13983 with C.I. brackets and stainless steel plug 40mm including painting of fittings and brackets cutting and making good the walls wherever Required				-
40.1	510mmx1040mm bowl depth 250mm	each	14.000	5,030.40	70,425.60
40.2	510mmx1040mm bowl depth 250mm	each	21.000	5,030.40	1,05,638.40
41	Providing and fixing 600mmx450mm bevelled edge mirror, 5.5mm thick of float glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete				-
41.1	14 units type III	each	14.000	1,014.77	14,206.78
41.2	21 units type II	each	21.000	1,014.77	21,310.17
42	Providing and fixing ball valve (brass) of approved quality complete high or low pressure with plastic floats complete : 15mm nominal bore				-
42.1	14 units type III	each	7.000	277.15	1,940.05
42.2	21 units type II	each	10.500	277.15	2,910.08
43	Providing and fixing brass stop cock of approved quality				-
43.1	14 units type III				-
(a)	15mm dia	each	35.000	311.87	10,915.45
(b)	20mm dia	each	35.000	423.58	14,825.30
(c)	Providing and fixing C.P. brass shower rose with 15mm or 20mm inlet : 100mm diameter	each	14.000	341.54	4,781.56
(d)	Supplying, fitting and fixing soap tray of size 150mmx150mm vitreous (concealed type) with all necessary fittings etc. completed as directed by the Engineer-in-charge	each	14.000	385.85	5,401.90
(e)	Providing and fixing Aluminium anodized towel rails with brackets : 600mm x 20mm dia.	each	14.000	337.60	4,726.40
43.2	21 units type II				-
(a)	15mm dia	each	52.500	311.87	16,373.18
(b)	20mm dia	each	52.500	423.58	22,237.95
(c)	Providing and fixing C.P. brass shower rose with 15mm or 20mm inlet : 100mm diameter	each	21.000	341.54	7,172.34
(d)	Supplying, fitting and fixing soap tray of size 150mmx150mm vitreous (concealed type) with all necessary fittings etc. completed as directed by the Engineer-in-charge	each	21.000	385.85	8,102.85
(e)	Providing and fixing Aluminium anodized towel rails with brackets : 600mm x 20mm dia.	each	21.000	337.60	7,089.60
44	Providing and fixing soil, waste & vent pipe				-
44.1	14 units type III				-
(a)	75mm dia centrifugally cast (SPUN) iron S&S pipe	m	21.000	775.02	16,275.42
(b)	100mm dia centrifugally cast (SPUN) iron S&S pipe	m	21.000	848.50	17,818.50
44.2	21 units type II				-
(a)	75mm dia centrifugally cast (SPUN) iron S&S pipe	m	31.500	775.02	24,413.13
(b)	100mm dia centrifugally cast (SPUN) iron S&S pipe	m	31.500	848.50	26,727.75
45	Supplying, laying, jointing glazed stoneware pipe 100 mm dia. as per IS: 651-1992 etc.				-
45.1	14 units type III	m	35.000	209.54	7,333.90

S.No.	Description	Unit	Quantity	Rate	Amount (In Rs.) (Ex-GST)
45.2	21 units type II	m	52.500	209.54	11,000.85
46	Supplying,laying,jointing glazed stoneware pipe 150 mm dia.as per IS: 651-1992 etc.				-
46.1	14 units type III	m	87.500	339.50	29,706.25
46.2	21 units type II	m	131.250	339.50	44,559.38
47	Supplying, fitting, fixing & installingincluding boring of 40 mm dia hand tube well assembly having total depth of 50 metres etc.				-
47.1	14 units type III	each	3.500	63,256.67	2,21,398.35
47.2	21 units type II	each	5.250	63,256.67	3,32,097.52
48	Extra/less for sinking,supplying,fitting				-
48.1	14 units type III	each	35.000	381.16	13,340.60
48.2	21 units type II	each	52.500	381.16	20,010.90
49	Supply of ppc cement				-
49.1	14 units type III	MT	491.029	7,799.33	38,29,697.21
49.2	21 units type II	MT	632.021	7,799.33	49,29,340.35
50	Supplying reinforcement for RCC work (TMT bars)including straightening ,cutting, bending, placing in position and binding all complete				-
50.1	14 units type III	MT	35.000	78,542.87	27,49,000.45
50.2	21 units type II	MT	42.000	78,542.87	32,98,800.54
51	Miscellaneous item BII				-
Total of Schedule - (C)					5,24,32,925.83

SCHEDULE (D): Construction of Rail level platform (07 nos. & Length 360 m each)

1	Earthwork in filling in embankment, guide bunds, around buried type abutments, bridge gaps, trolley refuges, rain bunds, if provided, platforms etc. with earth excavated from outside railway boundary entirely arranged by the contractor at his own cost as per RDSO's latest guidelines and specifications and special condition of contract including all leads, royalty, lifts, ascents, descents, crossing of nallahs or any other obstructions. The rates shall include all dressing of bank to final profile, demarcation and setting out of profile, site clearance, removing of shrubs, roots of vegetations growth, heavy grass, benching of existing slope of old bank, all handling/re-handling, taxes, octroi and royalty etc. as a complete job. Cut trees shall be property of railways and to be deposited in the railway godown unless specified otherwise in the	Cum	15,120.276	169.65	25,65,154.82
2	Earth work in excavation as per approved drawings and dumping at embankment site or spoil heap, within railway land, including 50m lead and 1.5m lift, the lead to be measured from the centre of gravity of excavation to centre of gravity of spoil heap; the lift to be measured from natural ground level and paid for in layers of 1.5m each including incidental work, as per specifications - All kinds of soils	per Cum	1,260.023	113.98	1,43,617.42
3	Half brick masonry with bricks of class designation 7.5 in foundations and plinth in :Cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	27,518.902	414.60	1,14,09,336.77
4	Providing and laying in position cement concrete of specified proportion excluding cost of cement, centering and shuttering - All works upto plinth level : 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 40mm nominal size)	Cum	695.533	3,092.32	21,50,810.61
5	Brick work with non-modular (FPS) bricks of class designation 7.5 in foundation and plinth in : Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	1,854.754	3,510.36	65,10,854.25
6	Providing and fixing at or near ground level, Precast M 20 grade cement concrete as per approved design and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), including the cost of required centering and shuttering complete but excluding the cost of cement (cast at site) - In kerbs, edging etc	Cum	287.285	3,680.61	10,57,384.04
7	Pointing on brick work with cement mortar 1:3 (1 cement : 3 fine sand) - Flush/Ruled/Struck or weathered pointing	Sqm	2,520.046	57.07	1,43,819.03

M. J. J.

Lilt

S.No.	Description	Unit	Quantity	Rate	Amount (In Rs.) (Ex-GST)
8	Providing and laying cement concrete, up to plinth in retaining walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc, excluding the cost of cement and of shuttering, centering. 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size)	Cum	5,040.092	3,547.02	1,78,77,307.13
9	Centering and shuttering including strutting, propping etc. and removal of form for :				-
(a)	Foundations, footings, bases of columns, raft foundation of washable aprons, Pile caps, Footings of FOB etc.	Sqm	1,512.028	168.52	2,54,806.96
(b)	Walls (any thickness) including attached plasters, buttresses, plinth and string courses etc.	Sqm	1,134.021	277.08	3,14,214.54
10	Supply of ppc cement	Mt	2,058.111	7,799.33	1,60,51,886.87
Total of Schedule - (D)					5,84,79,192.43

SCHEDULE (E): Construction of goods platform 15m wide (02Nos. Length 600 m each)

1	Earthwork in filling in embankment, guide bunds, around buried type abutments, bridge gaps, trolley refuges, rain bunds, if provided, platforms etc. with earth excavated from outside railway boundary entirely arranged by the contractor at his own cost as per RDSO's latest guidelines and specifications and special condition of contract including all leads, royalty, lifts, ascents, descents, crossing of nallahs or any other obstructions. The rates shall include all dressing of bank to final profile, demarcation and setting out of profile, site clearance, removing of shrubs, roots of vegetations growth, heavy grass, benching of existing slope of old bank, all handling/re-handling, taxes, octroi and royalty etc. as a complete job. Cut trees shall be property of railways and to be deposited in the railway godown unless specified otherwise in the	Cum	7,200.000	169.65	12,21,480.00
2	Earth work in excavation as per approved drawings and dumping at embankment site or spoil heap, within railway land, including 50m lead and 1.5m lift, the lead to be measured from the centre of gravity of excavation to centre of gravity of spoil heap; the lift to be measured from natural ground level and paid for in layers of 1.5m each including incidental work, as per specifications - All kinds of soils	Cum	1,464.000	113.98	1,66,866.72
3	Half brick masonry with bricks of class designation 7.5 in foundations and plinth in :Cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	19,128.000	414.60	79,30,468.80
4	Providing and laying in position cement concrete of specified proportion excluding cost of cement, centering and shuttering - All works upto plinth level : 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 40mm nominal size)	Cum	331.200	3,092.32	10,24,176.38
5	Brick work with non-modular (FPS) bricks of class designation 7.5 in foundation and plinth in : Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	1,548.000	3,510.36	54,34,037.28
6	Providing and fixing at or near ground level, Precast M 20 grade cement concrete as per approved design and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), including the cost of required centering and shuttering complete but excluding the cost of cement (cast at site) - In kerbs, edging etc.	Cum	240.000	3,680.61	8,83,346.40
7	Pointing on brick work with cement mortar 1:3 (1 cement : 3 fine sand) - Flush/Ruled/Struck or weathered pointing	Sqm	1,200.000	57.07	68,484.00
8	Providing and laying cement concrete, up to plinth in retaining walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc, excluding the cost of cement and of shuttering, centering. 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size)	Cum	4,500.000	3,547.02	1,59,61,590.00

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S.No.	Description	Unit	Quantity	Rate	Amount (In Rs.) (Ex-GST)
9	Centering and shuttering including strutting, propping etc. and removal of form for :				
(a)	Foundations, footings, bases of columns, raft foundation of washable aprons, Pile caps, Footings of FOB etc.	Sqm	720.000	168.52	1,21,334.40
(b)	Walls (any thickness) including attached plasters, buttresses, plinth and string courses etc.	Sqm	540.000	277.08	1,49,623.20
10	Supply of ppc cement	Mt	1,756.884	7,799.33	1,37,02,518.09
Total of Schedule - (E)					4,66,63,925.27

SCHEDULE (F): Electrical Fitting

			Base Rate (Ex-GST)		
1	Supplying and fixing of medium class pvcconduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit of 25 mm size as required	M	16,632.000	67.34	11,19,998.88
2	Supply & Fixing/ laying of G I Pipe 100 mm dia. B Class Make Tata/Jindal/Bansal/Simillar ISI Marked for laying the cable along the road /drain/track/building/pole etc.	M	1,512.000	972.67	14,70,677.04
3	Supply and fixing metal box of following sizes (normal size) on surface or in recess with suitable size of phenolic laminates sheet cover in front including painting etc. as required.				
a	150 mm X 150 mm X 60 mm deep	Each	453.600	173.58	78,735.89
b	200 MM X 125 mm X 60 mm deep	Each	453.600	178.82	81,112.75
c	200 mm X 250 mm X 75 mm deep	Each	529.200	262.62	1,38,978.50
4	Provision of Earthing station with GI Earth pipe 4.5 Mtrs. long X 40 mm dia including accessories, and providing masonry enclosures with cover plate having locking arrangement and watering pipe etc with charcoal/ coke and salt as required	Each	151.200	3,971.53	6,00,495.34
5	Supply and fixing of fabricated M S Fan hook suitable for mounting of AC Ceiling fan of different size / Make.	Each	680.400	139.13	94,664.05
6	Supply and Fixing of MS Sheet metal enclosed type box suitable for 4 way TPN MCB Distribution box 12 Nos. out going ckt.	Each	120.960	962.95	1,16,478.43
7	Supply and Fixing of MS Sheet metal enclosed type box suitable for 4 way MCB Distribution in out going ckt. with Single pole MCB of sizes.	Each	151.200	515.52	77,946.62
8	Supply and Fixing of MS Sheet metal enclosed type box suitable for 8 way MCB Distribution in out going ckt. with Double Pole MCB. of sizes.	Each	151.200	797.60	1,20,597.12
Total of Schedule - (F)					38,99,684.63

SCHEDULE (G): Unforeseen items of USSOR-2012 not covered in above schedule

1	Any item of ECR-USSOR-2012 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. (Qty. of various items of USSOR'2012 up to value of Rs 50,00,000 (its detaxed value = 50,00,000/1.18 plus 43.78% escalation has been provisioned).	Lumps um			60,92,372.88
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Total of Schedule - (G)					60,92,372.88
Total Estimated Cost excl. GST					24,07,76,737.62
Add : 18% GST					4,33,39,812.77
Estimated Cost incl. GST					28,41,16,550.39
Deduction as per Quoted Rate @ 15.21% below					4,32,14,127.31
Total Quoted Amount incl. GST @ 18%					24,09,02,423.08

M. J. J.

Light

ANNEXURE-I

(Ref. Sub-clause no.: 12.5 of General Conditions of Contract)

FORM OF AGREEMENT

(To be executed on requisite value of stamp Papers)

AGREEMENT

THIS AGREEMENT made on _____ day of _____
(Month/year) between IRCON INTERNATIONAL LIMITED, acting
through _____ (Project Head and name/address of the
Project.....) (hereinafter called "the
Employer/Engineer") of the one part and
_____ (name and
address of the Contractor) (hereinafter called "the
Contractor") of the other part.

WHEREAS the Employer is desirous that work of
"....."
"....." should be executed by the
Contractor viz. **Contract No.** _____
(hereinafter called "the Works", and has accepted a Bid by the
Contractor for the execution and completion of such Works and
the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expressions shall have the same meaning as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement:
 - a) Letter of Acceptance of Tender
 - b) Notice Inviting Tender
 - c) Instructions to the Tenderers
 - d) Appendix to Tender
 - e) Form of Bid
 - f) Special Conditions of the Contract
 - g) General Conditions of Contract
 - h) Particular Technical Specifications
 - i) General Technical Specifications
 - j) Relevant codes and Standards
 - k) Drawings
 - l) Bill of Quantities



GENERAL CONDITIONS OF CONTRACT

3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the works and the remedying of defects therein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement executed the day and year first before written.

(Name, Designation and address of the authorised signatory)

Signed for and on behalf of the Contractor in the presence of:

Witness:

1.

2.

(Name, Designation and address of the authorised signatory)

Signed for and on behalf of the Employer in the presence of:

Witness:

1.

2.

Name and address of the witnesses to be indicated.



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.

