



इस्कॉन इंटरनेशनल लिमिटेड
(भारत सरकार का उपक्रम)
IRCON INTERNATIONAL LIMITED
(A Govt. of India Undertaking)
An Integrated Engineering and Construction Company



Katni-Singrauli Rail Doubling Project,
1st Floor, Above Maruti Suzuki Show room,
Near Jhinhari Police Station,
NH-7, Jabalpur Road, Katni 483 501(M.P.)
email - ircon.2065@ircon.org

कटनी-सिंगरौली रेल दोहरीकरण परियोजना
प्रथम तल, मारुती सुजुकी शोरूम के उपर
झिंझरी, पुलिस चौकी के समीप, नेशनल हाईवे-7,
जबलपुर रोड, कटनी - 483 501 (म.प्र.)
ई-मेल - ircon.2065@ircon.org

No IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127/ 651 Date: 21.07.2023

M/s Shrikrishna construction
162/171, A P colony ,
Near Akash Institute Rampur
Distt:-Gaya (Bihar) – 823001
Email:- shrikrishnaconstructions05@gmail.com

(Letter of Acceptance)

Sub: Construction of S&T Buildings at Joba and 09 nos Tool Box and Gang rest Room between Joba to Bargawn section in connection with Katni-Singrauli Rail Line Doubling project.

Ref:

- (i) Tender No.: IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127
Date: 28.06.2023.
- (ii) Bid submitted on 06.07.2023 and opened on 07.07.2023.
- (iii) Revised offer of agency vide letter dated 18.07.2023.

Your revised offer for the work of "Construction of S&T Buildings at Joba and 09 nos Tool Box and Gang rest Room between Joba to Bargawn section in connection with Katni-Singrauli Rail Line Doubling project". submitted vide references above, has been accepted by the Competent Authority of Ircon International Limited at the total Contract Value of Rs. 3,20,39,088/- (Three Crore Twenty Lakh Thirty-Nine Thousand Eighty-Eight only) i.e. @ 0.13 % above the estimated cost of work (Rs 3,19,97,491.51) including GST @ 18 % at the accepted rates of items / schedules as per Annexure-A (attached herewith) to this letter and terms and conditions, incorporating all the corrigendum and addendums issued to the tender documents.


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1. In term of para 7.1 (i) of Special Conditions of Contract: you are requested to submit a Performance Guarantee (P.G.) in the form irrevocable bank guarantee in favor of IRCON International, Katni on the Performa annexed as Annexure-X (from any Scheduled Bank for an amount of 5% (Five percent) of the contract value, i.e., Rs. 16,01,955/- (Rupees Sixteen Lakhs One Thousand Nine Hundred Fifty-Five only).
2. The entire work is required to be completed within **06 (Six) months** from the date of issue of this letter of acceptance.
3. Your kind attention is invited to the provision of Clause 16 of Special Conditions of Contract. You are required to submit/comply the following:
 - 3.1 In terms of clause 16.1, a programme for completion of work to the Engineer for his approval within 15 days from the date of receipt of letter of acceptance considering completion period as indicated in appendix to tender. Programme so submitted and agreed by IRCON will become part of the contract agreement. (For details, refer to Para 16.1 of SCC).
 - 3.2 In terms of clause 16.2, a detailed Execution/completion Programme with milestones/Key dates based on completion period as indicated in appendix to tender. These shall be incorporated in the Contract Agreement after approval by Engineer in charge (For details, refer to Para 16.2 of SCC).
 - 3.3 In terms of Clause No 16.3: Resource Deployment Program, within 15 days of award of contract, i.e. key personnel, manpower, Plant & Machinery and Other resources deployment program. These shall be incorporated in the Contract Agreement after approval by Engineer in charge.
 - 3.4 In terms of Clause No 16.4: within 15 days of award of contract, Cash flow statement and cumulative monthly progress plan (in the form of S curve). These shall be to be incorporated in the Contract Agreement after approval by Engineer in charge.
 - 3.5 In terms of Clause No 16.5: Within 15 days of award of contract, Method statement for various activities and Quality Assurance Plan (QAP) and start the work after their approval.
 - 3.6 In terms of Clause No 16.6: Within 15 days of the award of the contract, Organization chart of the project with the CV of the key personnel's to be deployed at the project site.
4. You are requested to attend this office for signing of the Contract Agreement on or before 28 days after issue of this letter as per clause no.: 13.5 of Special Conditions of Contract.


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NIT No IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127 dtd. 28.06.2023.

5. All other terms and conditions shall be as per Tender Documents and Corrigendums and Addendums, which shall form an integral part of this contract and shall be binding on you. Your letters at reference above shall form part of the Contract Agreement. This Letter of Acceptance, along with your submitted offer, shall constitute a binding Contract between you and Ircon International Limited, till a formal agreement is drawn and executed.
6. This Letter of Acceptance is being issued in duplicate and you are requested to return one copy of this Letter of Acceptance duly accepted, signed & stamped on each page by your authorized representative.
7. You are advised to mobilize the resources to commence the work. You are requested to contact Project Head, Katni Singrauli Doubling Project for further instructions at the following address:

Katni Singrauli Doubling Project,
Ircon International Limited,
First Floor, Over Maruti Suzuki showroom,
Near Jhinhari Police Station, NH-7, Jabalpur
Road, Katni – 483501 (M.P). MO: 7470376222

Thanking You

Enclosed:-

- (i) Annexure-A, Bill of quantities.

For & on behalf of
IRCON International Limited


(Akhilesh Sahu)
CGM/PH

Copy to:

GM/Fin, AGM/C-I, JGM/C/Consultant for information please.

Bill of Quantity (BOQ)

Name of Work : Construction of S&T Buildings at Joba and 09 nos Tool Box and Gang rest Room between Joba to Bargawn section in connection with Katni-Singrauli Rail Line Doubling project.

NIT No.: IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127 Date: 28.06.2023.

SI No	Description of Items	Unit	Rate	Qty	Amount
Schedule -I (Civil Works) DSR 2021					
2	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead up to 50 m and lift up to 1.5 m, as directed by Engineer-in-charge	Cum	185.11	1347.34	249402.37
2.6.1	All kinds of soil				
2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	Cum	228.81	1292.91	295825.98
2.25 (a)	Excavating, supplying and filling of local earth (including royalty) by mechanical transport up to a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	Cum	332.15	6220.25	2066068.88
2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	1947.26	145.00	282352.01
4.1.6	1:3:6 (1 Cement : 3 coarse sand (zone-II) derived from natural sources : 6 graded stone aggregate 40 mm nominal size derived from natural sources)	Cum	6009.94	442.92	2661935.74
5.9	Centering and shuttering including strutting, propping etc. and removal of form work for		0.00		0.00
5.9.1	Foundations, footings, bases for columns	Sqm	277.46	675.00	187287.11

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A. M. L. A.

NIT No.: IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127 Date: 28.06.2023.

SI No	Description of Items	Unit	Rate	Qty	Amount
5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	Sqm	603.27	475.00	286551.19
5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	690.66	1796.33	1240661.20
5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	548.13	1031.99	565660.28
5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	724.63	817.23	592190.38
5.9.19	Weather shade, Chajjas, corbels etc., including edges	Sqm	734.28	349.74	256809.48
10.25	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.		0.00		0.00
10.25.2	In gratings, frames, guard bar, ladder, railings, brackets gates and similar works	Kg	128.22	9946.57	1275324.85
10.26	Providing and fixing hand rail of approved size by welding etc. to steelladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer		0.00		0.00
10.26.1	M.S. tube	Kg	141.60	155.00	21947.48
10.26.3	G.I. pipes	Kg	162.36	170.00	27601.55
4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation levelling & dressing & finishing the top smooth.	Sqm	614.17	180.00	110551.00
5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :		0.00		0.00
5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-II) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	7536.03	76.89	579422.95

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NIT No.: IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127 Date: 28.06.2023.

SI No	Description of Items	Unit	Rate	Qty	Amount
5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	Cum	9657.94	104.81	1012287.28
5.33	Providing and laying in position ready mixed or site batched design mix concrete for reinforced concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland / Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete: Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.		0.00		0.00
5.33.1	All works upto plinth level		0.00		0.00
5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	Cum	7205.62	435.39	3137254.72
5.33.2	All works above plinth level upto floor V level		0.00		0.00
5.33.2.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	Cum	9082.28	239.47	2174925.61
5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein	Quintal	620.30	215.95	133957.10

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NIT No.: IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127 Date: 28.06.2023.

SI No	Description of Items	Unit	Rate	Qty	Amount
5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete		0.00		0.00
5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	80.78	53500.00	4321605.35
6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:		0.00		0.00
6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	5999.13	11.73	70369.80
6.32	Brick work with clay fly ash F.P.S. (non modular) brick of class designation 7.5 in superstructure above plinth level up to floor five level in		0.00		0.00
6.32.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	7380.06	301.91	2228107.04
9.7.7	Float glass panes		0.00		0.00
9.7.7.1	4 mm thick glass pane (weight not less than 10kg/sqm).	Sqm	1709.26	38.07	65071.52
			0.00		0.00
9.21	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 plyveneering with vertical grains or cross bands and face veneers on both faces of shutters:		0.00		0.00
9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	1816.21	61.43	111560.63
9.83	Providing and fixing aluminium die cast body tubular type universalhydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete	Each	924.11	3.00	2772.34
9.96	Providing and fixing aluminium sliding door 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 nuts and screws etc. complete		0.00		0.00
9.96.1	300x16 mm	Each	234.53	18.00	4221.50

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NIT No.: IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127 Date: 28.06.2023.

SI No	Description of Items	Unit	Rate	Qty	Amount
9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodiccoating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :		0.00		0.00
9.97.1	300x10 mm	Each	106.01	18.00	1908.11
9.100	Providing and fixing aluminium handles, ISI marked, anodised (anodiccoating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :		0.00		0.00
9.100.1	125 mm	Each	54.10	18.00	973.86
9.101	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screwsetc. complete.		0.00		0.00
9.101.2	Twin rubber stopper	Each	56.08	9.00	504.75
11.41	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete		0.00		0.00
11.41.2	Size of Tile 600x600 mm	Sqm	1276.41	608.40	776563.62

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SI No	Description of Items	Unit	Rate	Qty	Amount
8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	958.17	22.05	21127.74
11.38	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/ sq.m including pointing the joints with white cement and matching pigments etc., complete.	Sqm	997.46	52.70	52566.29
11.21	Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-in-Charge.		0.00		0.00
11.21.1.1	Acid and alkali resistant tile	sqm	1365.36	30.00	40960.88
11.21.2	In dado/skirting on 12 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand)		0.00		0.00
11.21.2.1	Acid and alkali resistant tile	Sqm	1475.55	20.40	30101.20
13.47.1	New work (Two or more coats applied @ 1.43 ltr/ 10 sqm. over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm).	Sqm	146.28	1050.92	153728.59
13.48	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :	sqm	0.00		0.00

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NIT No.: IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127 Date: 28.06.2023.

SI No	Description of Items	Unit	Rate	Qty	Amount
13.48.2	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved brand and manufacture	Sqm	130.55	35.00	4569.39
13.48.3	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	Sqm	126.18	45.00	5678.32
13.1	12 mm cement plaster of mix :		0.00		0.00
13.1.2	1:6 (1 cement: 6 fine sand)	Sqm	254.09	2649.12	673109.89
13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :	Sqm	0.00		0.00
13.2.2	1:6 (1 cement: 6 fine sand)	Sqm	292.19	634.00	185250.40
13.16	6 mm cement plaster of mix :	Sqm	0.00		0.00
13.16.1	1:3 (1 cement : 3 fine sand)	Sqm	228.00	500.00	114000.24
13.45	Finishing walls with textured exterior paint of required shade :	Sqm	0.00		0.00
13.45.1	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	Sqm	220.75	634.00	139955.75
13.42	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification.	Sqm	0.00		0.00
13.42.1	Two or more coats on new work	Sqm	83.56	1134.00	94762.20
13.60	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :		0.00		0.00
13.60.1	Two or more coats on new work	Sqm	124.19	1726.57	214430.13
13.50	Applying priming coat:		0.00		0.00
13.50.1	With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood	Sqm	55.36	94.27	5218.61

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NIT No. IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127 Date: 28.06.2023.

SI No	Description of Items	Unit	Rate	Qty	Amount
13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade or Grey primer of approved brand and manufacture on wood work (hard and soft wood)		0.00		0.00
13.61.1	Two or more coats on new work	Sqm	118.43	166.25	19689.08
13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	111.59	3783.57	422210.46
16.68	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer in-charge.	sqm	856.86	460.00	394156.26
16.89	Providing and laying matt finished vitrified tile of size 300x300x9.8mm having with water absorption less than 0.5% and conforming to IS: 15622 of approved make in all colours and shades in for outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge	Sqm	1126.91	159.17	179364.01


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NIT No.: IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127 Date: 28.06.2023.

SI No	Description of Items	Unit	Rate	Qty	Amount
10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	Kg	551.65	95.00	52406.32
16.7	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.		0.00		0.00
16.70.1	Made of G.I. wire of dia 4 mm	Kg	774.40	742.39	574906.12
17.3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required		0.00		0.00
17.3.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	6254.01	6.00	37524.09
17.13	Providing and fixing white vitreous china water closet squatting pan (Indian type) :		0.00		0.00
17.13.2	Orissa pattern W.C. pan of size 580x440 mm	Each	2485.09	6.00	14910.55
17.25	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings :		0.00		0.00
17.25.1	Flat back wash basin of size 630x450 mm	Each	1035.78	10.00	10357.77

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NIT No.: IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127 Date: 28.06.2023.

Sl No	Description of Items	Unit	Rate	Qty	Amount
17.32	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :		0.00		0.00
17.32.2	Rectangular shape 453x357 mm	Each	1044.22	2.00	2088.44
17.34	Providing and fixing toilet paper holder :		0.00		0.00
17.34.1	C.P. brass	Each	613.41	2.00	1226.81
18.48	Providing and placing on terrace (at all floor levels) polyethylene waterstorage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflowpipes but without fittings and the base support for tank.	per litre	8.74	6500.00	56795.82
18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :		0.00		0.00
18.49.1	15 mm nominal bore	Each	391.22	36.00	14083.98
18.5	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.		0.00		0.00
18.50.1	15 mm nominal bore	Each	644.26	36.00	23193.44
18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.		0.00		0.00
18.51.1	15 mm nominal bore	Each	638.27	3.00	1914.81
18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.		0.00		0.00
18.52.1	15 mm nominal bore	Each	535.88	36.00	19291.59
18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931		0.00		0.00
18.53.1	15mm nominal bore	Each	450.81	3.00	1352.44
18.53A	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge	Each	55.59	27.00	1500.96

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NIT No.: IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127 Date: 28.06.2023.

Sl No	Description of Items	Unit	Rate	Qty	Amount
18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.		0.00		0.00
18.8.2	20 mm nominal dia	mtr	462.88	900.00	416595.90
18.8.3	25 mm nominal dia Pipes	mtr	564.06	50.00	28203.04
12.43	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.	mtr	0.00		0.00
12.43.1	75mm	mtr	280.07	50.00	14003.56
12.43.2	110 mm	mtr	278.86	250.00	69713.96

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NIT No.: IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127 Date: 28.06.2023.

S/No	Description of Items	Unit	Rate	Qty	Amount
21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :		0.00		0.00
21.1.1	For fixed portion		0.00		0.00
21.1.1.1	1Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	390.99	519.30	203043.33
21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)		0.00		0.00
21.1.2.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	479.16	232.18	111249.87

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NIT No.: IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127 Date: 28.06.2023.

SI No	Description of Items	Unit	Rate	Qty	Amount
19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design .		0.00		0.00
19.7.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :		0.00		0.00
19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	10530.16	5.00	52650.80
19.32	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm drybrick honey comb shaft with bricks and S.W. drain pipe 100 mmdiameter, 1.8 m long complete as per standard design.		0.00		0.00
19.32.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	25254.46	5.00	126272.31

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NIT No.: IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127 Date: 28.06.2023.

Sl No	Description of Items	Unit	Rate	Qty	Amount
22.6	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying: a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around. d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately. For the purpose of measurement the entire treated surface will be measured.	Sqm	646.35	765.00	494456.81
	Any unforeseen items of DSR 2021				500000.00
				Total Schedule I	30320297.83

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NIT No.: IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127 Date: 28.06.2023.

SI No	Description of Items	Unit	Rate	Qty	Amount
	Schedule II				
	Providing Road vehicles mentioned below for the use of Engineer/Employer as per the condition mentioned in special conditions of contract-I				
LAR 1 a	Tata Sumo, Bolero, Scorpio or similar SUV 3000Km in one Month & Extra will be Payable in item 1b	Vehicle month	71508.45	15.00	1072626.72
LAR 1 b	Running charge (Extra Over 1 a)	KM	17.97	7500.00	134760.41
			Total Schedule II		1207387.13

SCHEDULE - III

Electrification of service buildings /passenger shelter shed /pump house /Station buildings etc					
SI No.	BOQ	Description of Items	Unit	Total Qty Supply & Errection	BOQ Amount Rs.
2 (a)		Wiring for light /ceiling fan/exhaust fan/call beell /light plug/group etc. points including circuit wiring ,sub main wiring with fire Retardent (FR) , PVC insulated , multi stranded copper conductor , single core on surface /increased PVC condutes , distribution board , sub distribution boards , earthing etc. as required . Wiring shall be done as per size of cables , no of points permissible in each circuit and sub-mains as indicated in Explanatory Notes (RVNL Spec. Item No. 33003)	point	118.00	120747.83
b		Wiring for power plug points including circuit wiring , sub main wiring with fire Retardent (FR) , PVC insulated , multi stranded copper conductor , single core on surface /increased PVC condutes , distribution board , sub distribution boards , earthing etc. as required . Wiring shall be done as per size of cables , no of points permissible in each circuit and sub-mains as indicated in Explanatory Notes (RVNL Spec. Item No. 33003)	point	1878.73	95815.41

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NIT No.: IRCON/2065/Katni-Singrauli/Tender/S&T & Tool Box /127 Date: 28.06.2023.

SI No	Description of Items	Unit	Rate	Qty	Amount
	Extra provision of industrial type iron clad plug socket with 32A DP MCB in MS Box.	point	512.93	28.00	14362.05
8	Supply and Installation of 1 x 20W LED tube light fittings complete with LED Lamp similar to Philip Model No. TMC 501 pi x T LED 22W P3241 or equivalent as approved by engineers with 3 x 1.5mm FRLS PVC insulated multi stranded copper cable as instructed & earthing etc as required . Make , Havels, Bajaj, Philips or equivalent.	No	1420.61	101.00	143481.64
10	CEILING FAN : Supply, erection , testing & commissioning of ceiling fan 1200mm sweep including connection the down rods of standard length (up to 30Cm) (energy efficient) with 1.5mm PVC insulated copper conductor , single core cable etc. as required . Preferable make shall be Bajaj, Crompton Greeves, Philips or similar . Prior approval for material shall be taken from competent authority. All materials required for the job shall be supplied by the contractor.	No	1472.61	45.00	66267.50
11	Supply and fixing of stepped type electronic fan regulator with suitable ratings for the C/fan on the plate of switch box , including connections, testing and commissioning as required.	No	415.06	35.00	14527.03
12	Exhaust fan 300mm sweep :- Supply, erection , commissioning of exust fans including connection	No	1217.09	12.00	14605.08
Grand Total of Schedule I+II+III (Estimated cost of works)					469806.54
Quoted price @ 0.13% above estimated cost of works					31997491.51
Total value of works including 18% GST					41596.74
					32,039,088

Total Schedule III =

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