



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/.balance works/Res Bdlg/NKJ-KHBJ/121 / 349 Date: 15.03.2023

M/s Quazar Infrastructure Pvt. Ltd
D-56, 2nd Floor, Main 100feet Road,
Chhatarpur, New Delhi-110074

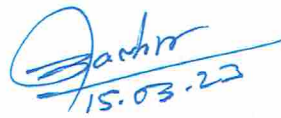
(Letter of Acceptance)

Sub: Execution of balance works for construction of Residential Buildings from NKJ and KHBj Stations of WCR including associate development works such as approach roads, drainage, water supply, horticulture etc. but excluding electrical works in connection with the Katni-Singrauli Doubling Project.

Ref: -

- (i) Tender No: IRCON/2065/Katni-Singrauli/Tender/.balance works/Res Bdlg/NKJ-KHBJ/121 Date: 17.02.2023.
- (ii) Tender opened on 25.02.2023.
- (iii) Revised offer of M/s Quazar Infrastructure Pvt. Ltd dtd 11.03.2023.

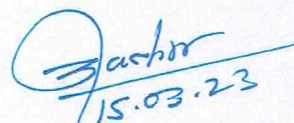
Your offer for the work of "Execution of balance works for construction of Residential Buildings from NKJ and KHBj Stations of WCR including associate development works such as approach roads, drainage, water supply, horticulture etc. but excluding electrical works in connection with the Katni-Singrauli Doubling Project. submitted vide references above, has been accepted by the Competent Authority of Ircon International Limited at the total Contract Value of Rs. **Rs 19,72,31,331.00** (Rupees Nineteen Crore Seventy-Two Lakhs Thirty One Thousand Three Hundred Thirty one only) i.e. 4.77 % above the estimated cost of work (Rs **18,82,51,724.00**) 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.


15.03.23

Page 1 of 3



1. In term of para 7.0 of Special Conditions of Contract: you are requested to submit a Performance Guarantee (P.G.) within 21 days from date of issue of LOA 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 3% (Three percent) of the contract value, i.e., Rs. 59,16,940 (Rupees Fifty Nine Lakhs Sixteen Thousand Nine Hundred Forty only).
2. The entire work is required to be completed within **12 (Twelve) 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 18 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.


15.03.23

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.
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:

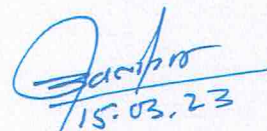
Katni Singrauli Doubling Project,
Ircon International Limited,
First Floor, Over Maruti Suzuki showroom,
Near Jhinhari Police Station, NH-7, Jabalpur Road,
Katni – 483501 (M.P). MO: 7470376222

Thanking You

Enclosed:

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

For & on behalf of
IRCON International Limited



15.03.23

(Akhilesh Sahu)
CGM/PH

Copy to:

- (i) GM/Fin/, JGM/Fin, Mgr/Fin for information please.
- (ii) AGM/Civil & DGM/Civil for necessary action please.

Summary of BOQ		
Name Of Work - Execution of balance works for construction of Residential Buildings from NKJ and KHBJ Stations of WCR including associate development works such as approach roads, drainage, water supply, horticulture etc. but excluding electrical works in connection with the Katni-Singrauli Doubling Project.		
Tender No: IRCON/2065/Katni-Singrauli/Tender/.balance works/Res Bdlg/NKJ-KHBJ/121 Date: 17.02.2023		
Sl No	Description of Work	Amount (Rs)
A.	BUILDING WORK	
1	Schedule-I	146,544,595.15
2	Schedule-II	10,158,783.70
	Total of Amount of Building work including GST of 18%	156,703,378.85
A.	ROAD WORK	
1	Schedule-I	26,454,437.12
2	Schedule-II	5,093,907.09
	Total of Amount of Road work including GST of 18%	31,548,344.21
	Total Amount (BUILDING +ROAD WORK) including GST of 18%	188,251,724.00
	Negotiated offer of Agency @ 4.77% above estimated cost of tender	8,979,607.00
	Grand Total including 18% GST	197,231,331.00

Signature
15.03.23

Signature
Arya
(M. K. Godar)

Bill of Quantity (BOQ)						
Name Of Work - Execution of balance works for construction of Residential Buildings from NKJ and KHBJ Stations of WCR including associate development works such as approach roads, drainage, water supply, horticulture etc. but excluding electrical works in connection with the Katni-Singrauli Doubling Project.						
Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bdlg/NKJ-KHBJ/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Quantity	Amount (Rs)
A.						
		SCHEDULE-1				
		SUB HEAD : 2.0 EARTH WORK				
1	2.6	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 upto 50 m and lift upto 1.5 m, as directed by Engineer-in- charge				
2	2.6.1	All kinds of soil	Cum	176.68	6672	1,178,784.10
3	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 upto 50 m and lift upto 1.5 m.	Cum	218.39	6672	1,457,067.36
4	2.25 (a)	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming andwatering of the earth in layers not exceeding 20 cm in trenches, plinth,sides of foundation etc. complete.	Cum	317.03	22985	7,286,787.92
5	2.26	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.				
(a)	2.26.1	All kind of soil	Cum	89.87	1282	115,201.66
6	2.27	Supplying and filling in plinth with sand under floors, including watering,ramming, consolidating and dressing complete.	Cum	1858.60	525	976,500.56
7	2.28	Surface dressing of the ground including removing vegetation and in equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.				
	2.28.1	All kinds of soil	SQM	24.21	384	9,298.12

[Signature]

[Signature]

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bldg/NKJ-KHBJ/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Qunatity	Amount (Rs)
8	2.33	Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots andstacking of serviceable material and disposal of unserviceable material,stacking of serviceable material and disposal of unserviceable material.				
(a)	2.33.1	Beyond 30 cm girth upto and including 60 cm girth	each	462.78	11	5,090.58
(b)	2.33.2	Beyond 60 cm girth upto and including 120 cm girth	each	1683.12	11	18,514.32
		Total of SUB HEAD : 2.0 EARTH WORK				11,047,244.62
		SUB HEAD : 4.0 CONCRETE WORK				
9	4.1.5	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)	cum	5876.63	612	3,595,243.37
10	4.1.6	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 40 mm nominal size derived from natural sources)	Cum	5736.32	372	2,131,489.74
11	4.10	Providing and laying damp-proof course 40mm thick with cementconcrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from naturalsources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources)	Sqm	318.93	4522	1,442,267.22
12	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 stoneaggregate 20 mm nominal size derived from natural sources) over 75mmthick bed of dry brick ballast 40 mm nominal size, well rammed andconsolidated and grouted with fine sand.	Sqm	586.21	4193	2,457,686.13
		Total of SUB HEAD : 4.0 CONCRETE WORK				9,626,686.46
		SUB HEAD : 5.0 REINFORCED CEMENT CONCRTE				
13	5.9	Centering and shuttering including strutting, propping etc. and removal of form for		0.00		
(a)	5.9.1	Foundations, footings, bases for columns	Sqm	264.83	2136	565,671.58
(b)	5.9.2	Walls (any thickness) including attached pilasters.	Sqm	575.80	2966	1,708,053.12
(c)	5.9.3	Suspended floors, roofs, landings, balconies and accessplatform	Sqm	659.22	2355	1,552,296.23
(d)	5.9.5	Lintels, beams, plinth beams, girders, bressumers andcantilevers	Sqm	523.17	4147	2,169,624.31

July

Signature

Tender No: IRCON/2065/Katni-Singrauli/Tender/.balance works/Res Bdlg/NKJ-KHBJ/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Qunatity	Amount (Rs)
(e)	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	691.64	1686	1,166,389.30
(f)	5.9.19	Weather shade, Chajjas, corbels etc. including edges	Sqm	700.85	590	413,404.08
14	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete Thermo-Mechanically Treated bars of grade Fe-500D or more.		0.00	0	-
(a)	5.22.6	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.	Kg	77.10	166348	12,825,419.70
15	5.33					
(a)	5.33.1	All works upto plinth level				
	5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	Cum	6877.56	633	4,351,892.70
(b)	5.33.2	All works above plinth level upto floor V level				
	5.33.2.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	Cum	8668.78	488	4,230,508.81
16	5.35	Add for using extra cement in the items of design mix over and	Quintal	592.06	717	424,446.79
		Total of SUB HEAD : 5.0 REINFORCED CEMENT CONCRETE				29,407,706.62
		SUB HEAD : 6.0 MASONRY WORK				

[Signature]

[Signature]

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bldg/NKJ-KHBJ/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Qunatity	Amount (Rs)
17	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in.				
(a)	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	5726.00	169	968,401.91
18	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	Sqm	74.35	394	29,288.40
19	6.32	Brick work with clay flyash F.P.S. (non modular) brick of class designation 7.5 in superstructure above plinth level up to floor five level in.				
(a)	6.32.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	8865.43	141	1,249,474.20
(b)	6.32.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	7044.06	1039	7,318,778.03
		Total of SUB HEAD : 6.0 MASONRY WORK				9,565,942.54
		SUB HEAD : 8.0 CLADDING WORK				
20	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment.				
(a)	8.2.2	Granite stone slab colour black, Cherry/Ruby red				
(a)	8.2.2.2	Area of slab over 0.50 sqm	Sqm	3805.74	504	1,919,158.57
21	8.3	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.				
(a)	8.3.2	Granite work	Meter	360.21	664	239,092.99
22	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	914.55	2079	1,901,793.92

[Signature]
15.03.23

[Signature]
AUC

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bldg/NKJ-KHB/J/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Qunatity	Amount (Rs)
		TOTAL OF SUB HEAD : 8.0 CLADDING WORK				4,060,045.48
		SUB HEAD :9. WOOD AND PVC WORK				
23	9.21	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) non-decorative type, core of block board construction withframe of 1st class hard wood and well matched commercial 3 plyveneering with vertical grains or cross bands and face veneers on bothfaces of shutters:				
(a)	9.21.1	35 mm thick including ISI marked Stainless Steel butt hingeswith necessary screws	Sqm	1733.52	835	1,446,691.78
(b)	9.21.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	1618.45	227	367,608.26
24	9.27	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows				
	9.27.1	35 mm thick shutters				
	9.27.1.2	With ISI marked stainless steel butt hinges of required size				
(a)	9.27.1.2.1	Second class teak wood	Sqm	3860.86	462	1,783,717.32
25	9.83	Providing and fixing aluminium die cast body tubular type universalhydraulic door closer (having brand logo with ISI, IS : 3564, embossedon the body, door weight upto 35 kg and door	Each	882.04	210	185,228.40
26	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				
(a)	9.96.1	300x16 mm	Each	223.85	910	203,703.50
(b)	9.96.2	250x16 mm	Each	202.01	910	183,829.10

[Signature]

[Signature]

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bldg/NKJ-KHBJ/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Qunatity	Amount (Rs)
27	9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodiccoating not less than grade AC 10 as per IS : 1868) transparent or dyedto required colour or shade, with necessary screws etc. complete.				
(a)	9.97.1	300x10 mm	Each	101.18	705	71,331.90
(b)	9.97.2	250x10 mm	Each	109.99	705	77,542.95
28	9.1	Providing and fixing aluminium handles, ISI marked, anodised (anodiccoating not less than grade AC 10 as per IS : 1868)		0.00	0	-
(a)	9.100.1	125 mm	Each	51.64	1038	53,602.32
29	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.				
(a)	9.101.2	Twin rubber stopper	Each	53.53	519	27,782.07

Signature
15.03.23

Signature
15.03.23

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bldg/NKJ-KHBJ/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Qunatity	Amount (Rs)
		TOTAL OF SUB HEAD : 9. WOOD AND PVC WORK				4,401,037.60
		SUB HEAD: 10. STEEL WORK				
30	10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including				
(a)	10.16.1	Hot finished welded type tubes	Kg	133.21	18745	2,497,021.45
31	10.18	Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ M.S. sheet box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing	No.	195.12	91	17,755.92
32	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.				
(a)	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets gates and similar works	Kg	122.38	31172	3,814,811.91
33	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				
(a)	10.26.1	M.S. tube	Kg	135.15	655	88,573.26
34	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 ofwaist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment	Kg	526.53	1294	681,327.19
		TOTAL OF SUB HEAD: 10. STEEL WORK				7,099,489.73

[Signature]

[Signature]

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bldg/NKJ-KHB/J/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Qunatity	Amount (Rs)
		SUB HEAD : 11. FLOORING WORK				
35	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :				
(a)	11.26.1	25 mm thick	Sqm	1467.65	1079	1,584,296.47
36	11.27	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	Sqm	2147.76	405	869,863.42
37	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/ Sqm including pointing the joints with white cement and matching pigments etc., complete.	Sqm	952.05	586	558,240.46
38	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.				
(a)	11.41.2	Size of Tile 600x600 mm	Sqm	1218.30	4496	5,477,724.41

Signature

Signature

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bldg/NKJ-KHB/J/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Quantity	Amount (Rs)
39	11.41A	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm 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. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.		0.00	0	-
(a)	11.41A. 3.1	Glazed Vitrified tiles Matt/Antiskid finish of size Size of Tile 600 x 600 mm	Sqm	1381.28	1143	1,579,364.17
		TOTAL OF SUB HEAD : 11. FLOORING WORK				10,069,488.93
		SUB HEAD : 12. ROOFING				
40	12.41	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
(a)	12.41.2	110 mm diameter	Metre	274.98	5007	1,376,955.34
(b)	12.41.1	75 mm diameter	Metre	183.18	2049	375,313.84
41	12.42	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
(a)	12.42.1	Coupler				
(i)	12.42.1. 1	75 mm	each	68.63	310	21,275.30

[Signature]

[Signature]

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bldg/NKJ-KHBJ/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Quantity	Amount (Rs)
(ii)	12.42.1 2	110 mm	each	103.16	850	87,686.00
(b)	12.42.3 2	Single tee with door 110x110x110 mm	each	0.00	0	-
(c)	12.42.5 2	Bend 87.5° 110 mm bend	each	176.68	586	103,534.48
(d)	12.42.6 2	Shoe (Plain) 110 mm Shoe	each	0.00	0	-
		Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	707.53	1035	732,293.55
42	12.50					
43	12.51	Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete -;				

[Signature]

[Signature]

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bldg/NKJ-KHBJ/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Qunatity	Amount (Rs)
(a)	12.51.1	Ridges plain (500 - 600mm)	Metre	474.74	230	109,190.20
		TOTAL OF SUB HEAD : 12. ROOFING				2,957,804.87
		SUB HEAD : 13. FINISHING				
44	13.1	12 mm cement plaster of mix :				
(a)	13.1.2	1:6 (1 cement: 6 fine sand)	Sqm	242.52	8811	2,136,957.86
45	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :				
(a)	13.2.2	1:6 (1 cement: 6 fine sand)	Sqm	278.89	11817	3,295,693.58
46	13.16	6 mm cement plaster of mix :		0.00	0	-
(a)	13.16.1	1:3 (1 cement : 3 fine sand)	Sqm	217.62	3932	855,713.30
47	13.18	Neat cement punning	Sqm	58.31	415	24,183.16
48	13.42	Distemping with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, ofrequired shade and colour complete, as per manufacturer's specification.				
(a)	13.42.1	Two or more coats on new work	Sqm	79.76	19944	1,590,703.38
49	13.43	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :				
(a)	13.43.1	Water thinnable cement primer	Sqm	55.43	19944	1,105,475.03
50	13.45	Finishing walls with textured exterior paint of required shade :				
(a)	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	210.70	15113	3,184,236.65
51	13.48	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :				
(a)	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	124.61	2130	265,386.40

Sanjay
15.03.23

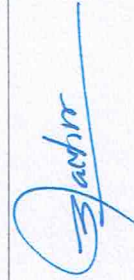
Sanjay
Arac

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bldg/NKJ-KHB/J121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of items	Unit	Rate including GST 18%	Quantity	Amount (Rs)
(b)	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	120.44	2472	297,737.68
52	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 ensure the surface smooth and even.	Sqm	106.51	31183	3,321,332.19
53	13.90	Distemping 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				
(a)	13.90.1	Old work (one or more coats)	Sqm	48.85	16883	824,732.33
54	13.91	Removing dry or oil bound distemper, water proofing cement paint and the like by scraping, sand papering and preparing the surface	Sqm	17.93	16883	302,711.37
		TOTAL OF SUB HEAD : 13. FINISHING				17,204,862.93
		SUB HEAD : 15. DISMANTLING AND DEMOLISHING				
55	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-charge.	Cum	2518.12	90	226,622.24
56	15.7	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
(a)	15.7.4	In cement mortar	Cum	1460.64	110	160,670.40
		TOTAL OF SUB HEAD : 15. DISMANTLING AND DEMOLISHING				387,292.64
		SUB HEAD : 16. ROAD WORK				

[Signature]
15.03.23

[Signature]

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bdlg/NKJ-KHB/J/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Qunatity	Amount (Rs)
57	16.43	Providing and laying design mix cement concrete of M-30 grade, inroads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately). Note:- Cement content considered in M-30 is @ 340 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately	Cum	8163.76	1272	10,380,220.84
58	16.42	Cement concrete prepared with batch mixing machine Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation	cum	6363.21	1010	6,428,910.14
59	16.46	Providing and filling in position rubberized bitumen hot sealing compound for sealing of expansion joints in roads / pavements all complete as per direction of the Engineer-in-Charge.				
(a)	16.46.1	Using grade 'A' sealing compound conforming to IS: 1834	per depth cm per width cm	7.90	2394	18,913.92





Tender No: IRCON/2065/Katni-Singrauli/Tender/.balance works/Res Bdlg/NKJ-KHB/J/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Quantity	Amount (Rs)
60	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	817.85	2319	1,896,692.29
61	16.69	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not be more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment), (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	cum	7407.53	153	1,131,940.96
		TOTAL OF SUB HEAD : 16. ROAD WORK				19,856,678.15
		SUB HEAD : 17. SANITARY INSTALLATIONS				
62	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually				
(a)	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	4971.88	66	328,144.08
63	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, 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)	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	4764.79	82	390,712.78

[Signature]

[Signature]

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bdlg/NKJ-KHB/J/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Quantity	Amount (Rs)
64	17.4	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm 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)	17.4.2	Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern	Each	8550.31	2	17,100.62
65	17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require				
(a)	17.7.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	Each	2917.80	110	320,958.00
66	17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required				
(a)	17.10.1	Kitchen sink with drain board				
	17.10.1.1	510x1040 mm bowl depth 250 mm	Each	5167.18	64	330,699.52
67	17.16A	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge	Each	315.39	186	58,662.54
68	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				
(a)	17.32.2	Rectangular shape 453x357 mm	Each	996.68	128	127,575.04
69	17.34	Providing and fixing toilet paper holder				
(a)	17.34.1	C.P. brass	Each	585.48	94	55,035.12

Signature
15.03.23

Signature
AEC

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bdlg/NKJ-KHB/J121 Date: 17.02.2023						
BOQ item No.	DSR item no	Description of Items	Unit	Rate including GST 18%	Qunatity	Amount (Rs)
70	17.73	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.				
(a)	17.73.2	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms	Each	516.29	144	74,345.76





Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bldg/NKJ-KHB/J/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Qunatity	Amount (Rs)
		TOTAL OF SUB HEAD 17. SANITARY INSTALLATIONS				1,703,233.46
		SUB HEAD 18. WATER SUPPLY				
71	18.70	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Internal work – exposed on wall				
(a)	18.7.2	20mm nominal outer dia. Pipes	metre	342.52	57	19,523.64
(b)	18.7.3	25mm nominal outer dia. Pipes	metre	430.44	50	21,522.00
(c)	18.7.5	40mm nominal outer dia. Pipes	metre	710.48	50	35,524.00
72	18.10	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall				
(a)	18.10.1	15 mm dia nominal bore	metre	261.56	2071	541,559.98
(b)	18.10.3	25 mm dia nominal bore	metre	422.42	2075	876,715.81
(c)	18.10.4	32 mm dia nominal bore	metre	484.69	1289	624,765.41
(d)	18.10.6	50 mm dia nominal bore	metre	768.14	290	222,760.60
73	18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.				
(a)	18.12.3	25 mm dia nominal bore	metre	359.43	800	287,544.00
(b)	18.12.5	40 mm dia nominal bore	metre	480.17	650	312,110.50
(c)	18.12.6	50 mm dia nominal bore	metre	562.60	1170	658,242.00
74	18.13	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :				
(a)	18.13.1	25 to 40 mm nominal bore	each	651.10	18	11,719.80
75	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
(a)	18.17.1	25 mm nominal bore	Each	457.81	89	40,745.09
(b)	18.17.2	32 mm dia nominal bore	Each	507.31	89	45,150.59
(c)	18.17.3	40 mm nominal bore	Each	745.19	89	66,321.91
(d)	18.17.4	50 mm nominal bore	Each	755.28	65	49,093.20

[Signature]

[Signature]

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bldg/NKJ-KHBJ/121 Date: 17.02.2023						
BOQ item No.	DSR item no	Description of Items	Unit	Rate including GST 18%	Qunatity	Amount (Rs)
76	18.21	Providing and fixing unplasticised PVC connection pipe with brass unions : 30 cm length				
(a)	18.21.1	15 mm nominal bore	Each	78.81	86	6,777.66
77	18.21	Providing and fixing unplasticised PVC connection pipe with brass unions: 45 cm length				
(b)	18.21.2	15 mm nominal bore	Each	73.27	86	6,301.22
78	18.47	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required :				
(a)	18.47.6	50 mm nominal bore	Each	1101.04	6	6,606.24
79	18.48	Providing and placing on terrace (at all floor levels) polyethylene waterstorage tank, IS : 12701 marked, with cover and suitable lockingarrangement and making necessary holes for inlet, outlet	per litre	8.34	34000	283,560.00
80	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
(a)	18.49.1	15 mm nominal bore	Each	373.41	102	38,087.82
81	18.50	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.				
(a)	18.50.1	15 mm nominal bore	Each	614.93	286	175,869.98
82	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.				
(a)	18.51.1	15 mm nominal bore	Each	609.21	286	174,234.06
83	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
(a)	18.52.1	15 mm nominal bore	Each	511.48	210	107,410.80
84	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
(a)	18.53.1	15mm nominal bore	Each	430.29	350	150,601.50

[Signature]
AUC

[Signature]

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bdlg/NKJ-KHBJ/121 Date: 17.02.2023						
BOQ item No.	DSR item no	Description of items	Unit	Rate including GST 18%	Qunatity	Amount (Rs)
85	18.65	Providing and fixing PTMT soap Dish Holder having length of 138mm,breadth 102mm, height of 75mm with concealed fitting arrangements,weighing not less than 106 gms.	Each	83.20	94	7,820.80
86	18.77	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.	Each	324.30	802	260,088.60
87	18.78	Making chases up to 7.5x7.5 cm in walls including making good and finishing with matching surface after housing G.I. pipe etc.	metre	147.75	1249	184,569.30
		TOTAL OF SUB HEAD 18. WATER SUPPLY				5,215,226.51
		SUB HEAD 19 . DRAINAGE				
88	19.1	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete				
(a)	19.1.3	200 mm Diameter	Meter	714.13	505	360,635.65
89	19.3	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 fine sand) including bed concrete as per standard design :				
(a)	19.3.1	100 mm diameter S.W. pipe	Meter	593.18	230	136,431.40
(b)	19.3.3	200 mm diameter S.W. pipe	Meter	697.28	230	160,374.40
90	19.4	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be notless than 4.50 kg and frame to be not less than 2.70 kg as per standard design:				
	19.4.2	150 x 100 mm size P type				
(a)	19.4.2.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	2127.95	68	144,700.60

Signature

Signature

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bdlg/NKJ-KHBJ/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Quantity	Amount (Rs)
(b)	19.4.2.2	With sewer bricks conforming to IS : 4885	Each	2558.55	31	79,315.05
91		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.				
	19.7					
	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) :				
(a)	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	10050.74	73	733,704.02

Sachin

Dayal

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bldg/NKJ-KHBJ/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Quantity	Amount (Rs)
92	19.8	Extra for depth for manholes				
	19.8.1	Size 90x80 cm				
(a)	19.8.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Meter	6969.49	39	272,590.11
93	19.3	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 fine sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design.				
	19.30.1	Inside dimensions 455x610 mm and 45 cm deep for single pipe line				
(a)	19.30.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	5530.83	86	475,651.38
94	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 mm diameter. 1.8 m long, complete as per standard design.				
(a)	19.32.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	24104.67	6	144,628.02
		TOTAL OF SUB HEAD 19 . DRAINAGE				2,508,030.63
		SUB HEAD : 21 ALUMINIUM WORK				
95	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/				
	21.1.1	For fixed portion				
(a)	21.1.1.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade	Kg	373.19	463	172,614.87

[Signature]

[Signature]

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bdlg/NKJ-KHB/J/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Quantity	Amount (Rs)
96	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings				
(a)	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	457.34	10476	4,791,313.28
97	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket				
(a)	21.3.1	With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	Sqm	877.01	894	783,860.58
		TOTAL OF SUB HEAD : 21 ALUMINIUM WORK				5,747,788.73
		SUB HEAD : 22 WATER PROOFING WORK				
98	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :				
	(a)	First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours.				
	(b)	Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be				
		The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer based slurry.	Sqm	544.28	591	321,739.26

[Signature]

[Signature] AUC

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bldg/NKJ-KHB/J/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of items	Unit	Rate including GST 18%	Quantity	Amount (Rs)
99	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	616.92	4426	2,730,789.10
100		TOTAL OF SUB HEAD : 22 WATER PROOFING WORK Any unforeseen item of Delhi Schedule of Rate -2021	L/S			3,052,528.36 2,633,506.89 146,544,595.15
		Total of SCHEDULE-I				
		SCHEDULE-II				
101	LAR 1	Providing Road vehicles mentioned below for the use of Engineer/Employer as per the condition mentioned in special conditions of contract-I				
(a)	LAR 1a	Tata Sumo, Bolero, Scorpio or similar SUV 3000 km in one month & extra will be payable 1b	Vehicle month	68252.79	24	1,638,066.96
102	LAR 1b	Extra and over 1a	KM	17.15	1200	20,580.00
103	LAR	PVC NAHANI TRAP	Each	215.98	312	67,385.76
104	LAR	Providing, fixing, testing and commissioning of health faucet unit (As approved by Architect) comprising of CP flexible hose, spray, wall flange etc. complete in all respects	Nos	2117.32	14	29,642.48
105	LAR	Body Shower	Nos	5943.36	12	71,320.32
106	LAR	Shower Arm	Nos	817.21	12	9,806.52
107	LAR	Wall Mixer	Nos	6537.69	12	78,452.28

[Signature]

[Signature]

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bldg/NKJ-KHB/J/121 Date: 17.02.2023						
BOQ Item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Quantity	Amount (Rs)
108	LAR	Providing Fixing,testing and commissioning of CP brass Double coat hook with concealed screws. Jaguar	EACH	965.80	26	25,110.80
109	LAR	Providing and laying under ground unplasticised rigid rain water /drainage pipes (working pressure 6 kg/ sqcm) single socketed pipe 200 mm diameter including trench cutting & filling.	METER	1266.34	540	683,823.60
110	LAR	Drilling of Bore well in all kind of soil dia of 250 mm	metre	664.13	100	66,413.00
111	LAR	PVC casing of 200 mm dia Pipe (Swastik- Class-5) (10.0 kg/cm2 pressure)	metre	1266.34	100	126,634.00
112	LAR	Aggregate	cum	1519.61	1	1,519.61
113	LAR	50mm dia PVC pipe	metre	157.59	100	15,759.00
114	LAR	cable 6mm	metre	196.99	100	19,699.00
115	LAR	Nylon Rope	metre	39.40	100	3,940.00
116	LAR	Supply, installation, testing and commissioning of 5 H.P pump (15 stage) (Crompton, kirloskar, SKF, Unnati) + Starter+ Accessories 3 H.P pump (15 stage) (Crompton, kirloskar, SKF, Unnati) excluding Pipe & Cable	Nos	44124.92	1	44,124.92
117	LAR	Supply, installation, testing and commissioning of 3 H.P pump (15 stage) (Crompton, kirloskar, SKF, Unnati) + Starter+ Accessories 3 H.P pump (15 stage) (Crompton, kirloskar, SKF, Unnati) excluding Pipe & Cable	Nos	30528.29	1	30,528.29
118	LAR	Kota stone slab flooring of size up to 60x60cm over 20mm (average) thick base of 1:4 cement mortar (1cement: 4coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete				
	(a)	20 mm thick	Sqm	1074.89	1176	1,263,859.10
119	LAR	Consolidation of subgrade with power road roller of 8 to 12 tonne capacity including making good the undulations etc. with earth or quarry spoils etc. and re-rolling the subgrade	Sqm	2.32	11929	27,675.28

[Signature]

[Signature]
AEC

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bdlg/NKJ-KHBJ/121 Date: 17.02.2023						
BOQ Item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Quantity	Amount (Rs)
120	LAR	Providing and laying water bound macadam with specified stone aggregate, stone screening and binding material including screening, sorting, spreading to template and consolidation with power road roller of 8 to 10 tonne capacity etc. complete.				
(a)	LAR	Sub-base with stone aggregate 90mm to 45mm including stone screening 13.2mm size	cum	1663.97	1558	2,593,172.45
(b)	LAR	Base course with 63mm to 45mm size including stone screening 13.2mm size	cum	1729.04	1457	2,519,902.90
121	LAR	Providing and spreading 6mm thick layer of red bajri/ moorum, watering and rolling with 3 T roller or light power roller complete including preparation of the surface and rolling	Sqm	46.48	9716	451,599.68
122	LAR	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia of wire 0.63 mm (Mosquito Proof)	sqm	314.18	802	252,023.81
123	LAR	P&F 127mm dia C.P. steel Jali cockroach trap (CCTR-127) for gully floor or Nahani trap	EACH	332.61	354	117,743.94
		Total of SCHEDULE-II				10,158,783.70
		Total of BUILDING WORK (Schedule-I+II) Rate including GST 18%				156,703,378.85
	B	ROAD WORK				
S. No.	Item no	Description of Items	Unit			Amount (Rs)
		SCHEDULE-I				
		SUB HEAD : 2.0 EARTH WORK				
1	2.25 (a)	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto 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	317.03	824	261,269.37
		Total of SUB HEAD : 2.0 EARTH WORK				261,269.37
		SUB HEAD : 5.0 REINFORCED CEMENT CONCRTE				

Signature
15.03.23

Signature
A/C

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bldg/NKJ-KHBJ/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Quantity	Amount (Rs)
2	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
(a)	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	77.10	24228	1,867,976.33
3	5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein	Quintal	592.06	624	369,640.82
		Total of SUB HEAD : 5.0 REINFORCED CEMENT CONCRTE				2,237,617.15

[Signature]

[Signature]

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bdlg/NKJ-KHB/J/121 Date: 17.02.2023						
BOQ item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Qunatity	Amount (Rs)
		SUB HEAD : 16. ROAD WORK				
		Providing and laying design mix cement concrete of M-30 grade, inroads/ taxi tracks/ runways, using cement content as per designmix, using coarse sand and graded stone aggregate of 40 mm nominalsize in appropriate proportions as per approved & specified designcriteria, providing dowel bars with sleeve/ tie bars wherever required,laying at site, spreading and compacting mechanically by usingneedle and surface vibrators, levelling to required slope/ camberfinishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately).Note:- Cement content considered in M-30 is @ 340 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately				
	4	16.43				
(a)	16.43.1	Cement concrete prepared with batch mixing machine	Cum	8163.76	2081	16,989,600.94
5	16.42	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.	cum	6363.20	1085	6,904,962.85
6	16.46	Providing and filling in position rubberized bitumen hot sealing compound for sealing of expansion joints in roads / pavements all complete as per direction of the Engineer-in-Charge.				

[Signature]

[Signature]

Tender No: IRCON/2065/Katni-Singrauli/Tender/balance works/Res Bdlg/NKJ-KHB/J121 Date: 17.02.2023						
BOQ Item No.	DSR Item no	Description of Items	Unit	Rate including GST 18%	Qunatity	Amount (Rs)
(a)	16.46.1	Using grade 'A' sealing compound conforming to IS: 1834	per cm depth per cm width per metre length	7.90	3303	26,093.70
7	16.77	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material within all lifts and lead upto 1km (by mechanical means)	Sqm	5.03	6937	34,893.11
		TOTAL OF SUB HEAD : 16. ROAD WORK				23,955,550.60
		Total of SCHEDULE-I				26,454,437.12
		SCHEDULE-II (LAR)				
8	LAR	Consolidation of subgrade with power road roller of 8 to 12 tonne capacity including making good the undulations etc. with earth or quarry spoils etc. and re-rolling the subgrade	Sqm	2.32	11396	26,438.72
9	LAR	Providing and laying water bound macadam with specified stone aggregate, stone screening and binding material including screening, sorting, spreading to template and consolidation with power road roller of 8 to 10 tonne capacity etc complete.				
(a)	LAR	Sub-base with stone aggregate 90mm to 45mm including stone screening 13.2mm size	cum	1663.97	1516	2,522,961.23
(b)	LAR	Base course with 63mm to 45mm size including stone screening 13.2mm size	cum	1729.04	1472	2,544,507.14
		Total of SCHEDULE-II				5,093,907.09
		Total of ROAD WORK (Schedule-I+II) including GST 18%				31,548,344.21
		Total value of BUILDING AND ROAD WORK including 18% GST				188,251,724.00
		Negotiated offer of Agency @ 4.77% above estimated cost of tender				8,979,607.00
		Grand Total including 18% GST				197,231,331.00

Sachin
15.03.23

Aguy
AUC

Signature Not Verified

Digitally signed by SUNIL KUMAR MISHRA

Date: ... : IST

Location: eProcurement System for Central PSUs