



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/KSDP/Tender/ Bal.PF. / NKJ- BEHR/Pkg-04/113/1065 Date: 14.10.2022

M/s Niranjan Kumar Panjwani
4, Bungalow, Samdariya Colony,
Madhav Nagar, Katni,
M.P. 483504

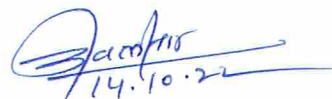
(Letter of Acceptance)

Sub: Construction of High Level platforms of Vijaysota& Beohari and Rail level Platforms of Damoy,Bara,Chhatani and ancillary works of like small PF shed, water booth ,toilet block etc on Platform from New katni Junction to Behori in connection with Katni-Singrauli Rail Doubling Project under W.C.R(M.P) (Pkg-4)..

- (i) Tender No.: IRCON/2065/KSDP/Tender/ Bal.PF. / NKJ- BEHR/Pkg-04/113 Date: 23.08.2022
- (ii) Bid opened on 03.09.2022
- (iii) Negotiations meeting dtd 21.09.2022.
- (iv) Revised offer of M/s Niranjan Kumar Panjwani Dated 21.09.2022.

Your offer for the work of "Construction of High Level platforms of Vijaysota& Beohari and Rail level Platforms of Damoy,Bara,Chhatani and ancillary works of like small PF shed, water booth ,toilet block etc on Platform from New katni Junction to Behori in connection with Katni-Singrauli Rail Doubling Project under W.C.R(M.P) (Pkg-4) submitted vide references above, has been accepted by the Competent Authority of Ircon International Limited at the total Contract Value of Rs. 13,98,14,314/- (Rupees Fourteen Crore Ninety Eight Lakhs Fourteen Thousand Three Hundred Fourteen only) i.e. 17.91 % above the estimated cost of work (Rs 11,85,77,147) 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.

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

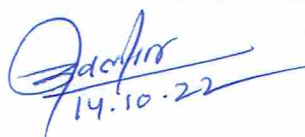

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(from any Scheduled Bank for an amount of 3% (Three percent) of the contract value, i.e., Rs. 41,94,430/- (Rupees Forty-One Lakhs Ninety Four Thousand Four Hundred Thirty only).

2. The entire work is required to be completed within **13 (Thirteen) 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.
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,


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shall constitute a binding Contract between you and Ircan 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:

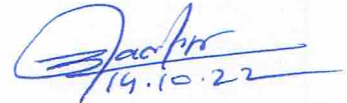
Katni Singrauli Doubling Project,
Ircan International Limited,
First Floor, Over Maruti Suzuki showroom,
Near Jhinhari Police Station, NH-7, Jabalpur
Road, Katni – 483501 (M.P). MO: 7470376222

Thanking You

Enclosed:

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

For & on behalf of
IRCON International Limited



(Akhilesh Sahu)
CGM/PH

Copy to:

- (i) CGM/Works/CO/ New Delhi.
- (ii) AGM/Civil-I & AGM/Civil-II for information & necessary action please.
- (iii) AGM/Fin & JGM/Fin for information please.

IRCON INTERNATIONAL LIMITED					
Katni - Singrauli Rail line Doubling project					
Bill of Quantity (BOQ)					
Name of Work:- Construction of High Level platforms of Vijaysota & Beohari and Rail level Platforms of Damoy,Bara,Chhatani and ancillary works of like small P shed, water booth ,toilet block etc on Platform from New katni Junction to Behori in connection with Katni-Singrauli Rail Doubling Project under W.C.R(M.P) (Pic 4).					
Sr. No.	DESCRIPTION OF ITEM	UNIT	Rate including 18% GST(In Rs.)	Quantity	AMOUNT (In Rs.)
SCHEDULE -I					
1	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-incharge.				
	All kinds of soils	Cum	165.37	13080.00	2,163,039.60
2	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	204.39	13120.00	2,681,596.80
3	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	296.73	30795.00	9,137,800.35
4	Supplying and filling in plinth with sand under floors, including watering,ramming, consolidating and dressing complete.	Cum	1739.58	852.00	1,482,122.16
5	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sqm	6.01	48500.00	291,485.00
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
(a)	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	5369.07	2.00	10,738.14
(b)	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	5500.40	5.00	27,502.00
7	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	5369.07	3657.00	19,634,688.99
8	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources)				
9	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification	Sqm	298.49	130.00	38,803.70
10	Centering and shuttering including strutting, propping etc. and removal of form for	per 50kg	46.00	33.00	1,518.00
(a)	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	247.87	5040.00	1,249,264.80
(b)	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	Sqm	538.94	5000.00	2,694,700.00
©	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sq.M	489.68	22.00	10,772.96
(d)	Columns, Pillars, Piers, Abutments, Posts and Struts	Sq.M	647.37	20.00	12,947.40

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Sr. No.	DESCRIPTION OF ITEM	UNIT	Rate including 18% GST(In Rs.)	Quantity	AMOUNT (In Rs.)
11	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	72.16	100813.00	7,274,666.08
12	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement 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.				
(a)	All works upto plinth level				
	Concrete of M25 grade with minimum cement content of 330 kg /cum	Cum	6437.25	1538.00	9,900,490.50
(b)	All works above plinth level upto floor V level				
	Concrete of M25 grade with minimum cement content of 330 kg /cum	Cum	8113.80	3.00	24,341.40
13	Add for using extra cement in the items of design mix over and above the specified cement content therein.	quintal	554.16	1538.00	852,298.08
14	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.				
	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	6593.10	25.00	164,827.50
15	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
	Cement mortar 1:4 (1 cement : 4 coarse sand)	Sq.M	819.46	5.00	4,097.30
16	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	Sq.M	69.58	5.00	347.90
17	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.	Sq.M	856.01	26.00	22,256.26
18	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 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sq.M	1514.84	6.00	9,089.04
19	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
	Fixed to steel windows by welding	Kg	145.68	51.00	7,429.68
20	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				

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Sr. No.	DESCRIPTION OF ITEM	UNIT	Rate including 18% GST(In Rs.)	Quantity	AMOUNT (In Rs.)
	300x16 mm	Each	209.52	6.00	1,257.12
21	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 :				
	150x10 mm	each	60.82	6.00	364.92
22	Providing and fixing aluminium handles, 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 :				
	125 mm	Each	48.33	10.00	483.30
23	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	62.94	9690.00	609,888.60
24	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete.				
	Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides	Sqm	782.02	2.880	2,252.22
25	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.				
	40 mm thick with 20 mm nominal size stone aggregate	sqm	438.69	9.00	3,948.21
26	Providing and laying Ceramic glazed floor tiles of size 300x300 mmn(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	891.10	9.00	8,019.90
27	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% andconforming 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				
	Size of Tile 600x600 mm	Sq.M	1140.30	32.00	36,489.60
28	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.				
	110 mm diameter	metre	257.38	60.00	15,442.80
29	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 10mm gap for thermal expansion.				
(a)	Coupler, 110mm	Each	96.55	10.00	965.50
(b)	Single tee with door, 110x110x110mm	Each	165.37	10.00	1,653.70
©	Bend 87.5o, 110mm dia bend	Each	106.25	5.00	531.25
(d)	Shoe (Plain), 110mm dia shoe	Each	93.34	5.00	466.70

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Sr. No.	DESCRIPTION OF ITEM	UNIT	Rate including 18% GST(In Rs.)	Quantity	AMOUNT (In Rs.)
30	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	540.55	683.00	369,195.65
31	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	Sq.M	227.00	13.00	2,951.00
32	15 mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand)	Sq.M	261.04	29.00	7,570.16
33	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	Sq.M	203.69	5.00	1,018.45
34	Neat cement punning.	Sqm	54.58	12.00	654.96
35	White washing with lime to give an even shade : New work (three or more coats)	Sq.M	26.11	42.00	1,096.62
36	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :	Sq.M	130.84	42.00	5,495.28
37	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :				
(a)	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	116.63	6.00	699.78
(b)	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	112.74	21.00	2,367.54
38	Applying priming coat With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm	49.47	6.00	296.82
39	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	Sqm	134.30	2875.00	386,112.50
40	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications : 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	112.74	600.00	67,644.00
41	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	99.69	3060.00	305,051.40
42	Demolishing the Existing Structures Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design)	Cum	1615.57	5.400	8,724.08
43	MASONRY 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.				

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Sr. No.	DESCRIPTION OF ITEM	UNIT	Rate including 18% GST(In Rs.)	Quantity	AMOUNT (In Rs.)
	In cement mortar	Cum	1367.14	2.700	3,691.28
44	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
	For thickness of tiles 10 mm to 25 mm	Sqm	48.71	8970.000	436,928.70
45	Extra for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (proctor density).	cum	16.54	30795.00	509,349.30
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.				
47	Using grade 'A' sealing compound conforming to IS: 1834.	per cm depth per cm width per metre length	6.04	5412.50	32,691.50
48	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge.(The panel shuttering work shall be paid for separately).(Note:- Cement content considered in this item is @ 330 kg/cum.Excess/less cement used as per design mix is payable/ recoverable separately).	Cum	6662.83	2752.50	18,339,439.58
49	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 to 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	6933.29	100.00	693,329.00
50	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 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:				
51	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	each	4653.58	4.00	18,614.32
52	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 :				
	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	each	4241.05	1.00	4,241.05
53	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:				
	White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	each	2198.62	1.00	2,198.62
54	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 :				
	Rectangular shape 453x357 mm	each	932.87	1.00	932.87

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Sr. No.	DESCRIPTION OF ITEM	UNIT	Rate including 18% GST(In Rs.)	Quantity	AMOUNT (In Rs.)
55	Providing and fixing soil, waste and vent pipes 100 mm dia Sand cast iron S&S pipe as per IS: 1729	metre	819.46	1.00	819.46
56	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 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less 78 mm and effective height of 88 mm, weighing not less	Each	483.25	1.00	483.25
57	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :				
(a)	15 mm dia nominal bore	metre	244.85	110.00	26,933.50
(b)	20 mm dia nominal bore	metre	300.58	110.00	33,063.80
(c)	25 mm dia nominal bore	metre	395.37	75.00	29,652.75
(d)	32 mm dia nominal bore	metre	453.62	75.00	34,021.50
58	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work				
(a)	25 mm dia nominal bore	metre	336.41	200.00	67,282.00
(b)	50 mm dia nominal bore	metre	526.58	6800.00	3,580,744.00
59	Providing and fixing brass bib cock of approved quality : 15 mm nominal bore	each	244.58	20.00	4,891.60
60	Providing and fixing brass stop cock of approved quality 15 mm nominal bore	each	244.58	20.00	4,891.60
61	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
(a)	25 mm nominal bore	Each	428.54	20.00	8,570.80
(b)	50 mm nominal bore	Each	706.93	20.00	14,138.60
62	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	per litre	7.81	22000.00	171,820.00
63	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	Each	575.58	4.00	2,302.32
64	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. 15 mm nominal bore	Each	570.21	4.00	2,280.84
65	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	Each	402.75	4.00	1,611.00
66	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	77.88	1.00	77.88
67	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design : 200 mm diameter S.W. pipe	metre	1027.65	35.00	35,967.75
68	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 not less than 4.50 kg and frame to be not less than 2.70mkg as per standard design: 180x150 mm size P type				

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Sr. No.	DESCRIPTION OF ITEM	UNIT	Rate including 18% GST(In Rs.)	Quantity	AMOUNT (In Rs.)
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	2039.69	3.00	6,119.07
69	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 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4coarse 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 :				
	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) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	9407.28	5.00	47,036.40
70	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete :				
	For pipes 100 to 250 mm diameter	each	550.33	4.00	2,201.32
71	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:				
	Inside dimensions 455x610 mm and 45 cm deep for single pipe line :				
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	5176.73	4.00	20,706.92
72	Constructing soak pit 1.20x1.20x1.20 m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design including excavation complete.	each	2366.64	1.00	2,366.64
73	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) :				
	For fixed portion				
	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	349.30	25.28	8,830.30

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Sr. No.	DESCRIPTION OF ITEM	UNIT	Rate including 18% GST(In Rs.)	Quantity	AMOUNT (In Rs.)
74	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision of EPDM rubber / neoprene gasket required (Fittings of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	427.75	16.00	6,844.00
75	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
	With float glass panes of 4.0 mm thickness (weight notless than 10kg/sqm)	sqm	820.87	4.00	3,283.48
76	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying:				
	after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm.				
	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.				
	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 48 hours. The entire treatment will be taken upto 30 cm onhours followed by water curing for parapet wall and tucked into groove in parapet all around.				
	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	Sqm	471.33	2.25	1,060.49
Total Amount of Schedule (I)=					83,696,883.15

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Sr. No.	DESCRIPTION OF ITEM	UNIT	Rate including 18% GST(In Rs.)	Quantity	AMOUNT (In Rs.)
SCHEDULE-II					
1	Providing, hoisting and fixing in position M25 Grade Reinforced cement concrete in Precast standard Platform wall sections, including the cost of centering, shuttering, finishing, Admixtures in recommended proportion (as per IS 9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability but excluding the cost of cement and steel reinforcement, as per approved plan & as per direction of the Engineer incharge.	cum	3299.79	3000.000	9,899,370.00
2	Supply and using cement at worksite :				
	OPC 43 grade	Tonne	9374.66	100.000	937,466.00
	PPC	Tonne	8276.08	120.000	993,129.60
3	Manufacturing, supplying & fixing of pre-fabricated RCC coping stone of size 530mm x 1125mm x 100mm thick as per top face designed and approved by site Engineer with M-30 grade RCC with 8 mm dia. tor steel at 150mm c/c both ways and manufactured by vibro compaction process using jointless FRP/GRP steel moulds of required size, shape & design. The item includes cost of cement, reinforcement, transportation etc. (Note : Under layer of cement mortar to be laid as per site conditions & should be paid for separately)	Each	756.04	9500.000	7,182,380.00
4	Moorum flooring 10 cm thick (consolidated depth) including watering and ramming. With Contractor's Moorum	Sqm	145.49	51000.000	7,419,990.00
Total Amount of Schedule (II)=					26,432,335.60
SCHEDULE-III					
1	P&F 127mm dia C.P. steel Jali cockroach trap (CCTR-127) for gully floor or Nahani trap	No	260.53	10.000	2,605.30
2	Supplying, erecting and fixing precast concrete reinforced bench with back rest. Bench shall consist of 2 nos. L shaped base support in natural cement colour of thickness 100 mm, back height 1000 mm, front height 450 mm, base width 620 mm and 5 nos. reinforced concrete planks in red colour and size of 1500 x 100 x 50mm and 1 no. reinforced concrete plank of 150 x 200 x 50mm; manufactured by using M-30 grade concrete & reinforced suitably; all parts to be joined with galvanised nuts and bolts of suitable size. All bolts to be sealed after assembly. Complete job to be done as per directions of Engineer Incharge	Each	10461.95	132.000	1,380,977.40
3	Dismantling concrete kerb stones/rail level platform stones /concrete beams / slabs or similar light structural parts/ stones without appreciable damage including stacking	Cum	699.36	58.050	40,597.85
Total Amount of Schedule (III)=					1,424,180.55

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Sr. No.	DESCRIPTION OF ITEM	UNIT	Rate including 18% GST(In Rs.)	Quantity	AMOUNT (In Rs.)
SCHEDULE-IV					
1	Providing Road vehicles mentioned below for the use of Engineer/Employer as per the condition mentioned in special conditions of contract-I				
	Tata Sumo, Bolero or similar	Vehicle/ per month	68252.79	12.000	819,033.48
	Extra for running and maintenance of every additional Km over and above 3000 Kms (For Tata Sumo/Bolero equivalent) as specified in special conditions of contract-I	Per Km	17.16	20000.000	343,200.00
2	Railway water booth made out of SS 304grade material ,Sheet and pipe	No.	73349.64	44.000	3,227,384.16
Total Amount of Schedule (IV)=					4389617.64
SCHEDULE-V (Unforeseen Item)					
1	Any unforeseen item of Delhi Schedule of Rate -2021				2634129.57
Total of Schedule (V)=					2634129.57
Total of Sch edule (I)+(II)+(III)+(IV)+(V)					118,577,146.55
Total Estimated Cost (Schedule (I)+(II)+(III)+(IV)+(V) including GST @ 18%) in Rs				Say	118,577,147
Negotiated offer @ 17.91% above estimated Cost in Rs					21237166.95
Total awarded cost of Work in Rs					139,814,313

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