



कटनी-सिंगरौली रेल दोहरीकरण परियोजना

प्रथम तल, मारुति सुजुकी शोरूम के ऊपर, झिंझरी, पुलिस स्टेशन के समीप, नेशनल हाइवे-7,
जबलपुर रोड, कटनी-483501 (म.प्र.) ई-मेल – rekss.5031@ircon.org



No. IRCON/2065/KSDP/Elect/FOB-Lift-Escalator/02/659

Dated: 06.03.2024

To,

M/s Vikrant Tradecom Pvt Ltd,

2nd Floor, 'Sukheja Towers',

Wright Town,

Jabalpur – 482002 (M.P.)

E-mail: vikranttradecom@yahoo.co.in & vikranttradecomptltd@gmail.com

LETTER OF ACCEPTANCE

Sub: Design, Supply, Installation, Testing & Commissioning of Passenger Lift & Escalators at Beohari & Bargawan Railway Station in Katni Singrauli Doubling Project of West Central Railway

Ref: i) e-procurement notice no.- IRCON/2065/KSDP/Elect/FOB-Lift-Escalator/02, dated 19.01.2024
ii) Your offer no. 667260, dated 07.02.2024
iii) Your letter no. VTPL/IRCON/23-24/0103, dated 01.03.2024

Dear Sir,

With reference to the above, this is to inform you that your offer for the subject work, has been accepted at a total contract value of **Rs. 5,46,99,930.04/-** (Five Crores Forty-Six Lakhs Ninety-Nine Thousand Nine Hundred Thirty Rupees & Four Paise Only), i.e. 4.40% above estimated cost of Rs. 5,23,94,569/-, inclusive of GST @ 18% and any other taxes & duties etc., on the following terms and conditions:

1.0 SCOPE OF WORK:

The scope of work in the subject tender covers “Design, Supply, Installation, Testing & Commissioning of Passenger Lift & Escalators at Beohari & Bargawan Railway Station in Katni Singrauli Doubling Project of West Central Railway.”

The detailed scope of work shall be as per the relevant clauses of Section-V & VI of the tender documents issued to you and submitted by you with your offer.

2.0 CONTRACT AGREEMENT: (SCC clause - 14)

The contractor shall enter into and execute the Contract Agreement in the form of agreement (Annexure-X) within 28 days from the date of issue of Letter of Acceptance (LOA). The stamp paper of the requisite value as per the prevailing laws shall be provided by the contractor at his own cost. Original agreement shall be retained by the employer/ engineer and a certified copy shall be made available to the contractor.

3.0 COMMENCEMENT OF CONTRACT: (SCC clause - 29)

Date of issue of Letter of Acceptance (LOA) shall be considered as the commencement date of Contract.

4.0 COMPLETION PERIOD:

The work is required to be completed within 6 (Six) months from the date of issue of Letter of Acceptance (LOA) as per clause-30 of SCC.

The work has to be executed in co-ordination with other agencies working on or near the project.

In case of any delay in the completion period, the extension of the same shall be dealt as per clause 17 of railway GCC April 2022.

5.0 FREIGHT AND INSURANCE CHARGES:

The rate shall be inclusive of freight & Insurance charges as per clause 31 of SCC.

6.0 TAXES, DUTIES & LEVIES:

Taxes, duties & levies shall be as per clause 32 of SCC.

7.0 PAYMENT TERMS: (SCC clause - 38)

SN	Description	Payment in Percentage
Electrical Items		
1	Payment for supply of materials as per BOQ Schedules shall be as under:	
a)	Supply of materials at site/ Store	70%
b)	Erection of above materials	20%
c)	Testing & Commissioning of installation	5%
d)	Handing over of executed work	5%
	Total	100%
2	Payment for Erection of materials as per BOQ Schedules shall be as under	
a)	Erection of Materials	90%
b)	Testing & commissioning of Executed Works	5%
c)	Handing over of executed work	5%
	Total	100%
Civil Items		
1	Payment for materials/ execution work as per BOQ Schedules shall be as under	
a)	Erection of Materials	80%
b)	Testing & commissioning of Executed Works	10%
c)	Handing over of executed work	10%
	Total	100%

Documents required for release of Schedule- payment are as per clause 38 of SCC.



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8.0 MODE OF PAYMENT AND TAX DEDUCTION AT SOURCE: (SCC clause - 39)

a) Mode of Payment:

All payments to the Contractor shall be made through Electronic Clearing System (ECS) after submission of Tax Invoice and required documents as per clause 38 of SCC. The contractor shall furnish his Banker's details in addition to his own bank account details. All amounts payable to the contractor shall be directly credited to his bank account.

b) Tax Deduction at Source

Income Tax and all statutory dues (if any applicable) shall be deducted from the payments credited/ released by employer/ engineer to the contractor against execution of work as per income tax act 1961. The deductions shall be made as per prescribed rates prevalent from time to time unless a tax exemption certificate is produced by the contractor.

9.0 PERFORMANCE SECURITY & RETENTION MONEY: (SCC clause - 10)

The contractor shall submit a Performance Security (PS) in the form of a Performance Guarantee (PG). The Performance Guarantee shall be in the form of irrevocable Bank Guarantee (BG) on the Performa annexed as Annexure-XI of the Tender document from any scheduled Bank for an amount of 5% (Five percent) of the contract value i.e. Rs. 27,34,997/-. The performance security and retention money shall be as per clause 10 of SCC.

Retention money for all contracts shall be recovered from on account/ final bills of the Contractor @ 10% of gross value of each bill after adjusting Earnest Money Deposit (EMD) amount till the amount so recovered including EMD amount adds up to 5% of the contract value (including GST and all other duties & taxes & all variations but excluding price variation) of the work.

10.0 INSURANCE

The Insurance policy shall be obtained & submitted by the contractor in line with clause 11 of SCC.

11.0 QUANTITY VARIATION:

Quantity variation is applicable as per SCC clause 53 & in line with clause 42 of railway GCC April 2022.

12.0 DEFECT LIABILITY PERIOD

The defect liability period shall be for 18 months as per clause 54 of SCC.

13.0 PRICE ADJUSTMENT:

Not Applicable.



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All other terms & conditions shall be applicable as per the tender document & subsequent corrigendum issued.

This Letter of Acceptance is issued in duplicate. You are requested to return one copy duly signed and stamped in token of your acceptance at the earliest.

Thanking you,

Yours faithfully
For & on behalf of
IRCON International Ltd

(R. K. Singh)
Chief General Manager/Elect.

Escalators & Passenger Lift at Beohari & Bargawan Railway station

BILL OF QUANTITY

SUMMARY

Sr. No.	Sch. No.	Description of Schedule	Amount (Rs.)
	A	Electrical Works for	
1	A1	Passenger Lifts	₹ 63,83,871.82
2	A2	Escalators	₹ 3,44,34,155.32
3	B	Civil works for installation of lift & escalator	₹ 1,09,61,163.00
4	C	Site facilities	₹ 6,15,378.84
Total Estimated Cost (Incl. GST)			₹ 5,23,94,569.00
Contractor Quoted above @ 4.40%			₹ 23,05,361.04
Total Amount (Incl. GST)			₹ 5,46,99,930.04

Design, Supply, Installation, Testing & commissioning of Escalators & Passenger Lift at Beohari & Bargawan Station Railway station in connection to Katni Singrauli Doubling Project of West Central Railway								
Bill of Quantities								
S No	Description of Item	Unit	Qty.	Rate (Rs.)		Total Amount (Rs.)		Total (Rs)
				Supply	Erection	Supply	Erection	
SCHEDULE: A-1 - Electrical Items for Passenger Lift								
1	Design, manufacture, Supply, erection, testing and commissioning at site Passenger Elevator (Lift) of 13 persons (1000 Kg) capacity,(Machine Room Less and Gearless) complete in all respects with all accessories comprising of CAR, car door, landing door, machine, motor, control equipment panel, safety device, suspension rope, counter weights, guide rails, buffers, all electrical wiring and earthing materials beyond the main switch and other equipments and accessories complete for satisfactory operation of lift. Labour charges for supply erection of complete equipment, testing and commissioning of the lift at site and duly processing and obtaining the approval/ license from the state government for operating the lift to be obtained/processed by the contractor. It also include lift well lighting duly in casing caping /PVC conduit.	Set	2.00	24,29,732.25	2,91,094.80	48,59,464.50	5,82,189.60	54,41,654.10
2	Supply, excavation of trench and laying of 1.1 KV grade LT XLPE insulated armoured, aluminium conductor cable, making good the damages, end terminations with aluminium crimping socket/ plugs, provisions of cable route markers, testing & commissioning etc. as required as per technical specifications.							
a	4Cx 16 Sqmm Al Armored XLPS Cable	Mtr	1,000.00	461.46	26.34	4,61,460.00	26,340.00	4,87,800.00
b	3Cx 6 Sqmm Al Armored XLPS Cable	Mtr	1,000.00	132.16	26.34	1,32,160.00	26,340.00	1,58,500.00
3	Supply and fixing of 4 way distribution board with metal door and one No. of 63 Amps 4 pole MCB and 3 phase ELCB 300mA of M/s Legrand or equivalent. Rates are inclusive of supply portion also.	Set	2.00	-	5,523.24	-	11,046.48	11,046.48
4	Supply, installation and fixing of 200mm x 105 mm wire mesh type zinc plated cable Tray each of 3 mtrs length per piece similar to Cablofil SCF (CF105/200) as per specification or equivalent, as directed by site engineer.	mtr	250.00	-	783.84	-	1,95,960.00	1,95,960.00
5	Supply and fixing of suspension rod of 1 mtr length electro zinc plated similar to Cablofil or equivalent make as per specification, as directed by the site engineer.	No.	200.00	-	104.19	-	20,838.00	20,838.00
6	Earthing arrangement as per RDSO specification (copper bonded earth rods of each 6 feet long) Rates are inclusive of supply portion also.	E/Pit	5.00	-	12,867.36	-	64,336.80	64,336.80
7	Supply & erection of [GI wire/strip/wire rope] / [M.S. strip] / [copper wire/ strips] [for earthing purpose] of -G.I. stripe size: 30 x 5 mm	mtr	120.00	-	23.02	-	2,762.40	2,762.40
8	Fittings & Erection of Exhaust fan: Supply, fixing, connecting, testing & commissioning of the following fittings /equipments of approved make: as per Technical data and explanatory notes.	nos.	4.00	-	243.51	-	974.04	974.04
Total of Electrical Works for Passenger Lift (Schedule-A-1) (Incl. 18% GST)								63,83,871.82

Design, Supply, Installation, Testing & commissioning of Escalators & Passenger Lift at Beohari & Bargawan Station Railway station in connection to Katni Singrauli Doubling Project of West Central Railway

Bill of Quantities

S No	Description of Item	Unit	Qty.	Rate (Rs.)		Amount (Rs.)		Total Amount (Rs.)
				Supply	Erection	Supply	Erection	
SCHEDULE: A-2 - Electrical Items for Escalators								
1	Passenger Escalator (UP & DN): Design, supply, installation, testing & commissioning, as per RDSO Specification No. - RDSO/PE/SPEC/TL/ 0095-2019 (Rev 3) or latest. (The vertical height should be 7.0 mtr as per GAD of FOB)	Nos.	4	78,23,461.82		3,12,93,847.28		3,12,93,847.28
2	Supply, installation, testing & commissioning of out door type weather proof LT feeder pillar as under: (1) Incoming MCCB 125A, 4 Pole, 35kA:- 2 No. (2) Outgoing MCCB 63A, 4 Pole, 25 kA:- 4 Nos (3) Outgoing MCB 40A, 4 Pole, 16 kA:- 2 Nos (4) Outgoing MCB 32A, Double pole, 10 kA:- 4 Nos (5) Sleeved/ epoxy coated copper bus bar 250 A (6) Indication lights	Nos.	4	86,619.46	9,624.38	3,46,477.84	38,497.52	₹ 3,84,975.36
3	Supply, excavation of trench and laying of 1.1 kV grade LT XLPE insulated armoured, aluminium conductor cable, making good the damages, end terminations with aluminium crimping socket/ plugs, provisions of cable route markers,testing & commissioning etc., as required as per technical specifications.							
(a)	4 Core 35 Sqmm	Mtr.	600	651.11	26.34	3,90,666.00	15,804.00	₹ 4,06,470.00
(b)	4 Core 70 Sqmm	Mtr.	500	1,038.82	43.20	5,19,410.00	21,600.00	₹ 5,41,010.00
(c)	4 Core 120 Sqmm	Mtr.	400	1,640.41	59.00	6,56,164.00	23,600.00	₹ 6,79,764.00
(d)	4 Core 185 Sqmm	Mtr.	100	2,295.73	59.00	2,29,573.00	5,900.00	₹ 2,35,473.00
4	Supply, erection, testing and commissioning of 36 Watt LED street light fitting with luminaries, 220-240V AC 50Hz, CRI>70, IP-65, Power factor >0.95. Cool white, Integral driver, lumen output 3500 lm, confirming to IEC 60598 and IS 10322, including cost of fixing arrangement (clamps and fasteners with all accessories and service connection by mean of 2x1.5+1x1.5 sqmm copper wire complete power supply connection) in included. Make: Crompton greaves, Philips, Bajaj, Havells or similar	Nos.	16	6,260.32	617.39	1,00,165.12	9,878.24	₹ 1,10,043.36
5	Additional cost of single arm bracket suitable for street light fixture. (Using 40 mm dia GI bend pipe or suitable size with MS flat clamps, nuts, bolts etc complete in all respect as per site requirement.)	Nos.	16	556.29	138.02	8,900.64	2,208.32	₹ 11,108.96
6	Supply, Erection, Testing and Commissioning of Recessed type LED luminaries for 2x2 Grid ceiling, powder coated, CRCA housing, high efficiency reflector & diffuser cover, system wattage 35-45W suitable to work on 220-240V AC supply.	Nos.	16	5,037.13	923.98	80,594.08	14,783.68	₹ 95,377.76

S No	Description of Item	Unit	Qty.	Rate (Rs.)		Amount (Rs.)		Total Amount (Rs.)
				Supply	Erection	Supply	Erection	
7	Supply and Installation of surface /wall mounted, LED batten type light fitting complete with LED Lamp with system wattage 18-22W suitable to work on 220-240V AC supply, colour temp 6500K, Cool white, Lumen output 1600 lm, with fixing arrangement complete in all respect as per site requirement.	Nos.	32	1,603.54	148.55	51,313.28	4,753.60	₹ 56,066.88
8	Supply, Installation, testing and Commissioning of outdoor type, single side /Double side Glow sign boards/Pictorial signage boards with suspension/side mounting/wall mounting type arrangements as required.	Sq. Ft.		-	-	-	-	₹ -
(a)	Double sided		128	685.88	102.72	87,792.64	13,148.16	₹ 1,00,940.80
9	Supply, erection testing and commissioning of wall mounting fan 400 mm sweep with pull cord control for speed & oscillation ON-OFF	Nos.	8	5,371.11	234.95	42,968.88	1,879.60	₹ 44,848.48
10	Earthing with 3m long, 50mm dia, G.I. pipe class 'B' earth electrode, adding the charcoal or coke and salt, providing concrete enclosure and MS cover plate with lifting arrangement etc. including connections with 4mm G.I. wire from earth electrode to switch board/ electrical equipment as required.	Job	16	3,688.55	579.46	59,016.80	9,271.36	₹ 68,288.16
11	Supplying & fixing of 20mm size of medium class PVC conduit along with accessories (junction box, bends etc. as required) in surface/ recess including cutting the wall and making good the same (plastering) in case of recessed conduit, clamping etc. As per site condition.	Mtr.	500	-	72.44	-	36,220.00	₹ 36,220.00
12	Supply and fixing as per specification polycarbonate ceiling rose 3 plate of approved make ISI marked with necessary material complete, and installation on the junction box of laid conduit including connections, testing & commissioning as per site requirement.	Nos.	48	-	43.66	-	2,095.68	₹ 2,095.68
13	Supplying and drawing single core PVC insulated cable FRLS with copper multi strand conductor ISI marked in existing rigid PVC casing and capping/conduit in surface or concealed as per specification.	Mtr.		-	-	-	-	₹ -
(a)	1.5 Sqmm		2000	22.42	-	44,840.00	-	₹ 44,840.00
(b)	2.5 Sqmm		1000	35.40	-	35,400.00	-	₹ 35,400.00
(c)	4.0 Sqmm		500	53.10	-	26,550.00	-	₹ 26,550.00
14	Supply & erection of Piano type switch as per IS: 4979-1968 (latest version) Bell push as per IS: 4794 (Part-2) 1986 (latest version) Flush type socket outlet as per IS 1293-1988 (latest version) & installation on the recessed switch box including cutting of phenolic laminated sheet, connection, testing & commissioning as per technical specifications.			-	-	-	-	₹ -
(a)	Piano type switch 6A SP	Nos.	64	-	21.24	-	1,359.36	₹ 1,359.36
(b)	Piano type switch 16/20A	Nos.	8	-	80.24	-	641.92	₹ 641.92
(c)	6A, 3/5 pin flush type socket	Nos.	16	-	59.00	-	944.00	₹ 944.00
(d)	16A, 3/5 pin flush type socket	Nos.	8	-	63.72	-	509.76	₹ 509.76

[illegible]

Design, Supply, Installation, Testing & commissioning of Escalators & Passenger Lift at Beohari & Bargawan Station Railway station in connection to Katni Singrauli Doubling Project of West Central Railway					
Bill of Quantities					
Sr. No.	Description of Item	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
SCHEDULE: B- Civil Work for Escalator & Lift					
1	Earth work in excavation as per approved drawings and dumping at embankment site or spoil heap, within railway land, including 50m lead and 1.5m lift, the lead to be measured from the centre of gravity of excavation to centre of gravity of spoil heap: the lift to be measured from natural ground level and for in paid layers of 1.5m each, including incidental work, as per specifications-in All kinds of soils	cum	500.00	170.16	85,080.00
2	Extra over item no. 1 for excavation in foundations for buildings and bridges to cover dressing to neat dimension and plumbing sides etc. Note: Dressing under this item is payable for the total quantity of excavation in foundation and not partly	cum	2,300.00	17.76	40,848.00
3	Filling, watering and ramming earth in 15 cm layers in floors and foundations with surplus from earth foundations including 50m lead and 1.5m lift	cum	400.00	34.35	13,740.00
4	Supplying and filling sand in plinth and under floors including watering, ramming, consolidating and dressing complete	cum	50.00	1,236.32	61,816.00
5	Providing and laying cement concrete, up to plinth in retaining walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc. excluding the cost of cement and of shuttering, centering.	cum	30.00	3,459.27	1,03,778.10
6	Supply and using cement at worksite : OPC 53 grade	Tonne	125.00	8,968.12	11,21,015.00
7	Providing and laying in position M20 Grade concrete for reinforced concrete structural elements but excluding cost of centering, shuttering, reinforcement and Admixtures in recommended proportion (as per IS:9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer in charge All work upto plinth level, including raft foundation of washable aprons, HS tank, pile cap, footings of FOB, and Platform shelter etc.	cum	150.00	3,811.38	5,71,707.00
8	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, raft foundation of washable aprons, Pile caps, Footings of FOB etc.	Sqm	1,425.00	232.96	3,31,968.00
9	Centering and shuttering including strutting, propping etc. and removal of form for special shapes A. Edges of slabs and beams in floors and walls under 20 cm wide	metre	200.00	123.31	24,662.00
11	Supplying Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars	Kg	15,000.00	134.94	20,24,100.00
12	Brickwork with modular fly ash Brickwork lime bricks (FALG conforming to Bricks) IS:12894-1989, class designation 10 in superstructure above plinth level upto floor two level in Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	100.00	3,831.87	3,83,187.00
13	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete Hot finished welded type tubes	Kg	3,000.00	164.26	4,92,780.00

Sr. No.	Description of Item	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
14	Providing and fixing anodised aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS:733 and IS:1285, anodised transparent or dyed to required shade according to IS:1868 (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle. Aluminium snap beading for glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and panelling to be paid for separately)		-	-	-
	For fixed portion	Kg	500.00	584.62	2,92,310.00
15	Laying cement concrete 1:2:4 (1cement: 2coarse sand: 4graded stone aggregate 20mm nominal size) of thickness 40 to 100mm as under layer of flooring	cum	20.00	3,568.79	71,375.80
16	Providing and fixing ceramic tiles conforming to IS:15622 of manufacturers approved by railway in all colours, shades, design and abrasion resistance class as approved by the Engineer-in-Charge in floors and landings over 20mm thick bed of cement mortar 1:4 (1cement: 3coarse sand) including pointing in white cement mixed with pigment of matching shade complete			-	-
	Of Group B-I-a of IS : 15622 (Vitrified tiles) of size above 400x400mm upto 600x600 mm	Sqm	100.00	1,459.14	1,45,914.00
17	Kota stone slab flooring of size up to 60x60cm over 20mm (average) thick base of 1:4 mortar cement (1cement: 4coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete			-	-
	25mm thick	Sqm	100.00	1,358.06	1,35,806.00
18	Laying 80 mm thick oversized stone ballast 75 mm to 100 mm gauge in soling of floors, hand packed including hand filling voids with packing, sand and watering, ramming and leveling	Sqm	150.00	153.00	22,950.00
19	Providing and fixing thick mirror 18mm Providing polished, cut for platforms, vanity kitchen machine counters facias, dados and skirtings and similar of locations required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1cement: 4coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touchups, including rubbing, curing. etc. complete at all levels			-	-
	A. Granite Black. Area of slab over 0.5 Sqm but upto 1.0 Sqm	Sqm	20.00	4,348.72	86,974.40
	B. Granite Black. Area of slab over 1.0 Sqm but upto 2.0 Sqm or larger	Sqm	100.00	4,353.58	4,35,358.00
20	Providing & fixing PVC multiple hollow section of approved colour with tongue and groove fixture having wall thickness 1mm and overall thickness 12mm in ceiling on existing frame work	Sqm	150.00	1,604.09	2,40,613.50
21	Providing and fixing permanently colour coated trapezoidal profiled sheet of depth 28-30mm at 195-205mm pitch distance with precisely engineered "Rib & Flute" design. Profiled sheets shall be min. 0.5mm TCT/0.45mm BMT high tensile zinc aluminium alloy coated zincalume / galvalume steel sheet mpa (550 yield strength) having a coating of mass of 150 gsm zinc-aluminium coating AZ-150 total on both sides as per, AS 1397:1993 finished with 20 microns approved colour coating of Silicon Modified Polyester (SMP) / Super Polyester paint coat on exposed surface over a primer coat of 5 microns and a back coat of 5 microns on reverse side over a 5 microns primer coat. There shall be 2 small ribs/square flutes between profiles for providing additional strength. The sheet to be fixed over the purlins with hexagonal head self drilling suitable fasteners with neoprene / EPDM washer on crests of the sheet	Sqm	350.00	1,011.53	3,54,035.50
22	12 mm cement plaster of mix -			-	-
	1:4 (1cement: 4 fine sand)	Sqm	750.00	106.76	80,070.00
23	15 mm cement plaster on the rough side of single or half brick wall of mix -			-	-
	1:4 (1cement: 4 fine sand)	Sqm	750.00	122.69	92,017.50
24	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade			-	-
	New work (two or more coats of distemper) over and including priming coat with cement primer	Sqm	1,500.00	89.90	1,34,850.00

Sr. No.	Description of Item	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
25	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coats applied @ 0.90ltr/ 10sqm over an under coat of primer applied @ 0.80ltr/ 10sqm of approved brand or manufacture	Sqm	400.00	95.10	38,040.00
26	Providing and laying water proofing treatment in of portion bathroom by WCs, sunken applying etc. mixed slurry water with cement cement proofing compound as per IS 2645 in layers a) 1st layer of slurry of cement @ 0.488kg/ sqm mixed with water proofing cement compound @ 0.253 lit/Sqm, allowed to air cure 4hours.(b) 2nd of layer slurry for @ of cement sqm mixed water with 0.242kg/ cement proofing compound @ 0.126 lit/Sqm, allowed to air cure for 4 hours followed with water curing for 48hours.Rate includes preparation of surface, treatment, sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry. Rendering/ as plastering protective layer, if required will be paid separately	Sqm	150.00	202.53	30,379.50
27	Demolishing plain cement concrete including disposal of material within 50m lead			-	-
	A. 1:2:4 or richer mix with max. 20 mm coarse aggregate	cum	30.00	785.33	23,559.90
	B. Extra over Item Nos. 27A, if pavement breaker is used on orders of Engineer	cum	30.00	342.41	10,272.30
28	Supplying, Fabricating and erecting steel work in riveted, bolted or welded in built up section including ending, Straightening, Cutting, Drilling, Hoisting and fixing complete up to 6.0m height above ground level including applying priming coat of approved steel primer etc. complete with contractor steel. (a) In RS joist, Tee, angles, Channels, bars.	MT	22.00	1,05,694.25	23,25,273.50
29	Supplying, providing and fixing aluminium composite panel AL 33 from ALU.DEOCR or equivalent of thickness 3mm exterior grade on existing aluminium frame as approved by Engineer-in-charge with all contractor's material, tools, plants, lead, lift etc. (excluding the cost of aluminium frame).	Sqm	350.00	3,390.52	11,86,682.00
Total of Civil Works for Passenger Lift & Escalators (Schedule-B) (Incl. 18% GST)					1,09,61,163.00

Design, Supply, Installation, Testing & commissioning of Escalators & Passenger Lift at Beohari & Bargawan Station Railway station in connection to Katni Singrauli Doubling Project of West Central Railway

BILL OF QUANTITY						
Technical consultants & Road vehicles to be provided by the contractor						
BOQ Item No.	Description	Unit	Personnel/ Qty required	Months	Rate (Rs.)	Total Amount (In Rs)
SCHEDULE: C- Site facilities						
1(a)	Providing road vehicle for the use of Engineer/Employer Tata Sumo, Bolero, Scorpio or similar SUV (up to 3000 KM in one month extra will be payable in 1(b))	Vehicle Month	1	6	94,693.14	₹ 5,68,158.84
1(b)	Extra for running and maintenance of every running KM over and above 3000KM	KM	3000	-	15.74	₹ 47,220.00
Total for Site facilities (Schedule-B) (Incl. 18% GST)						₹ 6,15,378.84