



OIL AND NATURAL GAS CORPORATION LIMITED

Engineering Services

Western Onshore Basin

Makarpura Road, Vadodara, Gujarat

Tel.No.: 0265-2603607, 2603479 FAX: 0265-2638855

No.: VDA/WON/SUPPORT/HES/2024/Civil/BC5AC24006		Date: 14.11.2024
From: Ch Sekhara Rao M, CE (C), I/c Civil, WON Basin, Vadodara		
To:	Kind Attn.:	
M/s Tulsidas Ramjibhai & Sons 37, Monali Park Society, Near Padma Tax, Opp. Dhaval Apartment, Manjalpur, Vadodara - 390011 (Gujarat) Email: amitconti009@gmail.com	Mr. Amit Navnitlal Contractor	
Sub.: NOTIFICATION OF AWARD (NOA) cum Work Order of Contract "Renovation & Repair Works for Shed #12 & #13 in WON Basin, ONGC, Baroda including Civil, Electrical and Infocom works" against ONGC Tender No. BC5AC24006		
1. Our Tender Document No. BC5AC24006. 2. Your Techno-Contractual Bid response no. 756081 submitted in GePNIC-CPP Portal and opened on 16.10.2024. 3. Our letter dated 25.10.2024 intimating Price Bid Opening scheduled on 28.10.2024. 4. Your price bid/offer opened on 28.10.2024. 5. All other correspondences against this tender till date in the ONGC e-Tender portal / e-mail.		

Sir(s),

- 1.0 Oil And Natural Gas Corporation Limited (ONGC) is pleased to place this Notification Of Award (NOA) cum Work Order on "**M/s Tulsidas Ramjibhai & Sons**" with address, 37, Monali Park Society, Near Padma Tax, Opp. Dhaval Apartment, Manjalpur, Vadodara - 390011 (Gujarat), for execution of Contract "**Renovation & Repair Works for Shed #12 & #13 in WON Basin, ONGC, Baroda including Civil, Electrical and Infocom works**" against ONGC Tender No. BC5AC24006 with the Scope of Work and on the terms and conditions as detailed in ONGC's Tender/Bidding documents and subsequent letters / notifications / e-mails / faxes issued by ONGC as in reference above and offer and letters of M/s Tulsidas Ramjibhai & Sons referred as above, at your quoted percentage rate, i.e., 27.63% below the Estimated Cost put to Tender, amounting to **Rs. 95,11,159.22 (Rupees Ninety Five Lakhs Eleven Thousand One Hundred Fifty Nine and Paise Twenty Two only)** which includes the basic cost of Rs. 80,60,304.42/- and GST component of Rs. 14,50,854.80/- at the rate of 18% above basic cost.
- 2.0 The duration of the Contract is **4 (four) months** including any monsoon to be reckoned from 7th day of the date of issue of LOA cum work order or from date of handing over of the site whichever is later.
- 3.0 M/s Tulsidas Ramjibhai & Sons (the Contractor) shall furnish Performance Security for a sum of **Rs. 9,51,116/- (Rupees Nine Lakhs Fifty One Thousand One Hundred Sixteen Only)** equivalent to 10% (ten percent) of the contract value **within 15 days** from the date of this Notification Of Award (NOA) cum Work Order, i.e., **by 29.11.2024** in line with para. 10.0 of GCC for due performance of the Contract. The provisions of clause 36 of the Instructions to Bidder shall be applicable for submission of Performance Security. This Performance Bank Guarantee shall be valid initially for a period to cover the Scheduled



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- Completion period for the works plus defect liability period of 1 year plus sixty (60) days claim period, as per NIT.
- 4.0 Failure in submission of PBG shall constitute sufficient grounds for annulment of award and forfeiture of Bid Security as per Clause 17.7(c) OF ITB.
 - 5.0 The Contractor shall be required to sign a formal detailed Contract with ONGC for which you are requested to attend this office in person on any working day along with Non-judicial Stamp Paper of Rs. 300/- for executing the Agreement within **30 (thirty) days** from the date of this Notification Of Award (NOA) cum Work Order.
 - 6.0 Till such time the Formal Agreement is not executed, this LOA cum work Order shall constitute Binding Contract between ONGC & M/s Tulsidas Ramjibhai & Sons and shall be subject to all terms and conditions of the Bidding documents and other documents mentioned in reference above. The date of commencement of activities under the Contract shall be the date of issuance of this NOA cum Work Order.
 - 7.0 You are requested to contact Engineer-in-Charge for taking over site for further instruction and correspondence regarding execution of the work.
 - 8.0 **The effective date of Contract is the date of this Notification of Award (NOA) cum Work Order, i.e., 14.11.2024.**

Kindly acknowledge the receipt of this Notification of Award (NOA) cum Work Order through return letter/mail.

Regards,

Encl.: Schedule-B


14/11/24
(Ch Sekhara Rao M)
CE (C) – I/c Civil

Ch Sekhara Rao. Mojjada
CE (Civil)

WON Basin, Vadodara
Oil and Natural Gas Corporation Ltd.

Schedule-B

Sl. No.	Item Description	Qty	Unit	Quoted Rate	Amount
1	A) Civil Works				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	2	Cum	188.38	376.76
1.02	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	0.1	Cum	1536.96	153.70
1.03	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. All kinds of soil	736	Sqm	24.71	18,186.56
1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 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)	53	Cum	5701.67	3,02,188.51
1.05	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	1	Cum	6546.41	6,546.41
1.06	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	5	Cum	8326.53	41,632.65
1.07	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	9	Sqm	283.8	2,554.20
1.08	Centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers	42	Sqm	532.93	22,383.06
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Mild steel and Medium Tensile steel bars	600	kg	77.51	46,506.00
1.1	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) : with modular bricks	3	Cum	6471.58	19,414.74
1.11	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, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels: Granite stone slab of colour black, Cherry/Ruby red. Area of slab upto 0.50 sqm	1.5	Sqm	3917.75	5,876.63
1.12	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, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels: Granite stone slab of colour black, Cherry/Ruby red. Area of slab over 0.50 sqm	3	Sqm	3717.14	11,151.42

AKSHAT AGARWAL
SE (CIVIL)

1.13	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.	124	Sqm	917.62	1,13,784.88
1.14	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 openings /wooden frames with rawl plugs screws etc.	192	kg	172.49	33,118.08
1.15	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete. With 12 mm mild steel U beading	32	Sqm	679.7	21,750.40
1.16	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	43	each	814.05	35,004.15
1.17	Providing and fixing chromium plated brass handles with necessary screws etc. complete: 125 mm	86	each	167.21	14,380.06
1.18	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 : 300x16 mm	43	Sqm	219.46	9,436.78
1.19	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 screws etc. complete. Twin rubber stopper	43	each	52.36	2,251.48
1.2	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.	6100	kg	96.76	5,90,236.00
1.21	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. Size of Tile 600x600 mm	660	Sqm	1124.23	7,41,991.80
1.22	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. Glazed Vitrified tiles Matt/Antiskid finish of size Size of Tile 600 x 600 mm	23	Sqm	1060.11	24,382.53
1.23	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.	50	Sqm	1174.6	58,730.00

Agarwal
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1.24	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 120grams 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.	685	Sqm	534.56	3,66,173.60
1.25	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 : Ridges plain (500 - 600mm)	32	metre	385.26	12,328.32
1.26	12 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand)	365	Sqm	258.61	94,392.65
1.27	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.	1480	Sqm	190.12	2,81,377.60
1.28	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coats applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	5128	Sqm	134.35	6,88,946.80
1.29	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer	1480	Sqm	116.23	1,72,020.40
1.3	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	2344	Sqm	14.29	33,495.76
1.31	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	446	Sqm	163.74	73,028.04
1.32	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. With cement mortar 1:4 (1 cement : 4 fine sand)	118	Sqm	396.15	46,745.70
1.33	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufactured of density at 25°C, 0.87 - 0.89 kg/litre and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane : 3 mm thick	180	Sqm	388.95	70,011.00
1.34	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or richer mix (i/c equivalent design mix)	33	Cum	1088.16	35,909.28
1.35	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	2	Cum	2570.04	5,140.08
1.36	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	1.5	Cum	1490.97	2,236.46
1.37	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	60	each	103.85	6,231.00

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1.38	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	749	Sqm	53.12	39,786.88
1.39	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: Asbestos Cement sheet	685	Sqm	55.94	38,318.90
1.4	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge	692	Sqm	40.78	28,219.76
1.41	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	2	each	4529.46	9,058.92
1.42	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	4	each	1359.98	5,439.92
1.43	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 : Kitchen sink with drain board 510x1040 mm bowl depth 250 mm	1	each	5026.53	5,026.53
1.44	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	4	each	985.53	3,942.12
1.45	Providing and fixing toilet paper holder : C.P. brass	4	each	581.64	2,326.56
1.46	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 100 mm inlet and 100 mm outlet Sand cast iron S&S as per IS - 3989	5	each	1444.87	7,224.35
1.47	Providing and fixing vitreous china dual purpose closet suitable for use as squatting pan or European type water closet (Anglo Indian W.C pan) with seat & lid fixed with C.P. brass hinges and rubber buffers, 10 litre low level flushing cistern with fitting and brackets, 40 mm flush bend, 20 mm over flow pipe, with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: White vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and C.P. flush bend.	4	each	8574.14	34,296.56
1.48	Providing and fixing PPR Unions: PPR Union 20mm	10	each	228.33	2,283.30
1.49	Providing and fixing PPR Unions: PPR Union 25mm	10	each	241.71	2,417.10
1.5	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. : 15 mm nominal dia Pipes	30	metre	360.25	10,807.50
1.51	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. : 20 mm nominal dia Pipes	170	metre	389.06	66,140.20

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1.52	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. : 25 mm nominal dia Pipes	30	metre	453.94	13,618.20
1.53	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	2	each	450.43	900.86
1.54	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete 20 mm nominal bore	2	each	334.71	669.42
1.55	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.	4000	litre	7.96	31,840.00
1.56	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore	4	each	366.77	1,467.08
1.57	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 : 15mm nominal bore	5	each	415.62	2,078.10
1.58	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 7.5Pipes	2	each	5020.96	10,041.92
1.59	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)	1700.64	kg	358.27	6,09,288.30
1.6	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 shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) : Anodised aluminium (anodised transparent or dyed to require	927	kg	433.21	4,01,585.67

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1.61	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides	95	Sqm	807.21	76,684.95
1.62	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 5 mm thickness (weight not less than 12.50 kg/sqm)	189	Sqm	1089.35	2,05,887.15
1.63	Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns as per CPWD Specification 2019, to be laid in true horizontal level suspended on interlocking metal T-Grid of hot dipped galvanised iron section of 0.33 mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 24x38 mm of length 3000 mm, cross - T of size 24x32 mm of length 1200 mm and secondary intermediate cross-T of size 24x32 mm of length 600 mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 12x50 mm long dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 76x25x25x1.6 mm fixed with grid and Z cleat of size 25x37x25x1.6 mm thick with precut hole on both 25 mm flange to pierce into 12x50 mm or even bigger size dash fastener if require, fixed with Galvanised iron perimeter wall angle or size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge. 26.22.1 With 15 mm thick Tegular edged light weight calcium silicate false ceiling tiles	692	Sqm	1597.21	11,05,269.32
1.64	Providing and fixing C P Brass health faucet including connection pipe with brass union and holder of approved brand etc. complete .	4	each	1775.96	7,103.84
1.65	Providing and fixing at any height single socketed ringfit SWR pipe of 13dB / 2 LPS tested to EN 14366 manufactured as per international standard EN-12056 as per direction of Engineer in-charge. 90 mm diameter.	50	metre	867.21	43,360.50
1.66	Providing and fixing at any height single socketed ringfit SWR pipe fittings of 13dB / 2 LPS manufactured as per international standard EN-12056 as per direction of Engineer in-charge. Door bend. 110 mm diameter.	50	metre	1254.53	62,726.50
1.67	Providing and fixing at any height single socketed ringfit SWR pipe fittings of 13dB / 2 LPS manufactured as per international standard EN-12056 as per direction of Engineer in-charge. Door bend. 90 mm diameter.	4	each	605.74	2,422.96
1.68	Providing and fixing at any height single socketed ringfit SWR pipe fittings of 13dB / 2 LPS manufactured as per international standard EN-12056 as per direction of Engineer in-charge. Door bend. 110 mm diameter.	4	each	1574.05	6,296.20
1.69	Engaging for full day (8 hours) a tractor with trolley of minimum capacity 2.83 cum including hiring charges, cost of fuel, lubricant, wages of driver, etc. but excluding the cost of required labor for loading / unloading (which will be paid separately) for disposing of any type of debris / transporting any material within ONGC campus as per directions of EIC.	5	Day	2849.64	14,248.20
1.7	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge. 60mm thick cement concrete paver block of M-35 grade with approved colour, design & pattern.	192	m2	756.74	1,45,294.08
Civil work total amount incl GST@18% (A)					70,06,145.34

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2	Electrical Works				
2.01	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed, with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete (CAT-III)	130	nos.	353.89	46,005.70
2.02	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME step type electronic fan regulator mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected with necessary ceiling rose / H.D.Connector as directed, with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete	44	nos.	505.87	22,258.28
2.03	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 6 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories, for 6/16A Plug and 16 amp switch with 2-2.5 sq.mm Cu. Wire from mcb db board, with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete (CAT-III)	100	nos.	565.21	56,521.00
2.04	Providing 6/16Amp. Universal socket of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. [CAT-III]	28	nos.	160.67	4,498.76
2.05	Providing 6A/10A/16A/20A/25A/32A Single pole Modular MCB Switch of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. [CAT-III]	28	nos.	248.96	6,970.88
2.06	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size of 1.5sq.mm. 2 core size	500	mtr.	49.22	24,610.00
2.07	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size of 2.5 sq.mm. 2 core size	500	mtr.	65.14	32,570.00
2.08	Providing & erecting Switch board for Computer or electric apparatus consisting of following items in single board erected on PVC /Metalboard with 3 mm thick PC (Polycarbonate) /Acrylic sheet erected as directed 1 no6A/16A universal plug-switch combined. 3 nos.6ASwitch 3 nos. 6A 5 pin Plug For Modular Type Accessories. [Cat-III]	72	nos.	913.31	65,758.32
2.09	Supplying and erecting LED indoor fittings Tubelight with integral driver of 18-20 Watts, Surge 2kV , IP-20, conventional 4 feet long with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15%, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates) [CAT-III]	16	nos.	249.68	3,994.88

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2.1	Supplying and erecting LED Panel Light with provision for Plane front frame with translucent cover fixed to housing complete, IP20, 36 watts, 24" x 24", Surge- 2KV indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15 %, CCT 3000 K to 6500K, Luminaire efficacy > 85 lumens/watt, LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates) [CAT-III]	104	nos.	1516.88	1,57,755.52
2.11	Supplying and erecting Mirror Light 9 Watts, wall mounted minimum 1 feet long indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15 %, CCT 3000 K to 6500K, Luminaire efficacy > 85 lumens/watt, LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates) [CAT-III]	4	nos.	262.71	1,050.84
2.12	Providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark. [CAT-III]	50	nos.	94.09	4,704.50
2.13	Providing and erecting four pole Miniature isolator A.C. 22 duty confirms to IS 13947-3 in existing box of 63 Amp Capacity. [CAT-III]	4	nos.	502.98	2,011.92
2.14	Providing and erecting four pole Miniature isolator A.C. 22 duty confirms to IS 13947-3 in existing box of 100 Amp Capacity. [CAT-III]	2	nos.	571.73	1,143.46
2.15	Providing and erecting Sheet Steel powder coated MCB distribution board for - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs. (The DBs should be used of same company of MCB to be used) suitable for three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI) of sheet steel double door 6-way. CAT-III	4	nos.	2462.76	9,851.04
2.16	Providing and erecting Approved make RCCBs conforming to IS:12640 and having sensitivity of 30mA and Short Circuit with stand capacity of 10KA and suitable for operation on 3phase and neutral 415V, 50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component for following Max. rating of 63 Amp 4 Pole CAT III	4	nos.	2569.14	10,276.56
2.17	Providing and erecting Approved make Ceiling fan with double ball bearing ISI mark with condenser A.C. 230V.50 c/s.1200 mm. sweep complete, canopy erected on existing hook or clamp with earthing. [Make shall be approved by Engineer in charge] CAT-III	44	nos.	1349.71	59,387.24
2.18	Supplying & erecting approved make low noise decorative exhaust fan having size 200mm with 1350 RPM with square frame ABS body with inbuilt lowers & square frame.	6	nos.	1440.17	8,641.02
2.19	Supplying and erecting approved make oscillating type bracket fan A.C. 230V. 50cy/s 400/450 mm sweep wall mounted with height adjustment and rotary tilting device complete with guard, flexible Core plug top complete erected with lead wires as directed. (Make shall be approved by EIC) CAT-III	2	nos.	2142.16	4,284.32
2.2	Supplying and erecting insulated pair of soft copper tubing open or concealed including power and control cable, necessary PVC drain pipes for Split AC machine up to 4 TR capacity	100	R.mtr	694.76	69,476.00
2.21	Dismantalling of existing panels, switchgears, wires, lights, fans, ACs & other electrical items as per instructed by EIC and handing over same to SS-3.	1	job	7237	7,237.00
2.22	Supplying, Installation, Testing & Commissioning of Feeder pillar as per attached specifications along with all necessary civil work & accessories like nut, bolts, clamps etc.	2	nos.	169512.26	3,39,024.52

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2.23	Providing & erecting weather proof, dust & vermin proof, floormounted front operated outdoor type double door cubical panel board necessary IP -54 and above protection as per approval from engineer in charge made from 14 SWG thick CRCM sheet for outerbody & doors, 16 SWG thick CRCM sheet for internal partitions with necessary accessories, supporting angles / flats channel including cutting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-in-charge with erection of supplied switchgears, BUSBARS, suitable size of interconnecting PV copper wire / copper-aluminiumstrips, rubber grommets, rib, bakelite control fuses / MCB for measuring instruments, earthbus & earthbolts, foundation Flange-bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket, heavy duty end terminal connection, danger notice board, necessary ventilation, earthing strip complete. The Panel shall be painted with epoxy powder coating. (The rates excludes the cost of switchgears, busbars, interconnecting mains & Copper Aluminium strips, meters, Fuses etc. The dimension shall be measured excluding base beams) The panel shall be supplied with following approved manufacturers with following size of locally fabricated panel board with 550mm depth	21	sq. mtr	12585.15	2,64,288.15
2.24	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 50KA and above at 415V having Normal current rating 400A. with variable Thermal & magnetic release suitable to work on A.C. supply 50c/s. With all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. CAT III (ICS = 100% of ICU)	1	nos.	21331.06	21,331.06
2.25	Supplying & erecting earth pit of minimum bore dia. 150mm size approved make Earthing Electrode consisting Pipe-in-Pipe Technology as per IS3043-1987 made of corrosion free hot dipped G.I. Pipes having Outer pipe dia of 50mm having 80-200 Micron galvanising, Inner pipe dia of 25mm having 200-250 Micron galvanising, connection terminal dia of 12mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover. (A) (approved make OEM has to submit test certificate including value of earth resistance of installation duly stamped and signed by agency and officer Incharge has to ensure the value of earthing resistance mentioned in test Certificate) & having back filling compound of (B) Innerchemical (CCMCompound)-Resistivity:-0.2ohm/meter testing as per IEC62561-2017, Voltagedrop:-<1volt at no load & dry form, Sulpharcontent:-<2%(C)BackfillCompound:-Earthing compound should be capable to retain moisture for long time Necessary test report must be submitted by Agency. (a) For Electrical Installation upto 440V in normal soil Length of pipe - 1 Mtr Back filling compound - 1 Nos Bag of 15 Kg.	4	nos.	3881.21	15,524.84
2.26	Shifting of Split A.C. The Scope includes dismantling, shifting, re-installing & re-commissioning of the units including topping up of Refrigerant gas, minor civil work wiring existing piping M S Stand electrical cabling with PVC down piping for 1.00, 1.5 & 2.0 TR capacity.	30	nos.	1664.51	49,935.30
2.27	Supplying & installing MS standard type stand mounting for outdoor unit of Split A.C. upto 4 TR capacity erected with necessary hardware materials as directed.	30	nos.	542.78	16,283.40
Electrical works total amount incl GST@18% (B)					13,05,394.51
3	Infocom Works				
3.01	48ports of 1G and 10G UPLINK managed switch having 802.1X authentication and compliant to ONGC NAC functionality	1	nos.	115285.41	1,15,285.41
3.02	24 port of 1G and 10 G UPLINK managed switch having 802.1X authentication and compliant to ONGC NAC functionality	1	nos.	81126.77	81,126.77
3.03	Supply of CAT6A Ethernet cable	2950	mtr.	55.51	1,63,754.50
3.04	Single Port CAT6A Information outlet (I/o) with faceplate	59	nos.	469.68	27,711.12
3.05	24 Port, CAT 6A Patch Panel, loaded with I/o	3	nos.	8112.68	24,338.04
3.06	1 Meter Dual Ended Mounting CAT6A Patch Cord	59	nos.	491.03	28,970.77
3.07	3 Meter Dual Ended Mounting CAT6A Patch Cord	59	nos.	640.48	37,788.32
3.08	Supply of 1" PVC conduit Medium with necessary Fixture, ISI Marked	900	mtr.	72.59	65,331.00
3.09	Installation - Laying of UTP CAT6A cable through PVC conduit/ casing capping above ceilings/ along the wall/floor	2950	mtr.	29.89	88,175.50

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3.1	Installation & termination of Information outlets (including termination of CAT6A cable on I/o)	59	nos.	64.05	3,778.95
3.11	Installation and termination of UTP cable on Patch Panel with Cable manager	59	nos.	64.05	3,778.95
3.12	Installation of PVC conduit with necessary Fixture	900	mtr.	46.97	42,273.00
3.13	Supply of SMB SUITABLE FOR FIXING IN WALL	59	nos.	93.94	5,542.46
3.14	Cutting of wall "Jari" with putting of PVC pipe in it and refilling it with cement	1	job	37788	37,788.00
3.15	SFP module with Patch Cord	4	nos.	24338.04	97,352.16
3.16	Fixing of SMB on patch wall / Furniture	59	nos.	298.89	17,634.51
3.17	Supply of SMB for Voice for fixing of face plate and I/o at user end	59	nos.	93.94	5,542.46
3.18	Supply of 2 pair PVC telephone cable 0.5 mm conductor dia.	2950	mtr.	29.03	85,638.50
3.19	Supply of RJ11 socket & Face Plate for user end	59	nos.	294.62	17,382.58
3.2	Supply of 50 Pair jelly field armoured telephone cable with 0.5mm conductor dia	80	mtr.	640.48	51,238.40
3.21	Supply and fixing of 100 Pair Junction box with KRONE modules and back frame	2	nos.	5550.78	11,101.56
3.22	Fixing of SMB on wall/ Furniture	59	nos.	298.89	17,634.51
3.23	Supply of 1" PVC conduit Medium with necessary Fixture, ISI Marked	600	mtr.	72.59	43,554.00
3.24	Installation of PVC conduit with necessary fixtures on wall with proper straight line	600	mtr.	46.97	28,182.00
3.25	Excavation of soil with laying of jelly armoured telephone cable	60	mtr.	469.69	28,181.40
3.26	Pulling of 2 pair PVC cable in conduit/casing capping	2950	nos.	23.91	70,534.50
	Infocom works total amount incl GST@18% (C)				11,99,619.37
	Total Amount put to tender incl GST@18% (A)+(B)+(C)				95,11,159.22

Akshat Agarwal
AKSHAT AGARWAL
SE (CIVIL)

Ch Sekhara Rao
Ch Sekhara Rao. Mojjada
CE (Civil)
WON Basin, Vadodara
Oil and Natural Gas Corporation Ltd.