

	OIL AND NATURAL GAS CORPORATION LIMITED OFFSHORE LOGISTICS GROUP, MUMBAI NHAVA SUPPLY BASE		
Office of the Civil Engineering Section Infrastructure Works Nhava Supply Base, PO – Nhava, Dist – Raigad, PIN-410 206		Tel: Fax:	022-27211061/63/66 022-27212355
No.	PVL/NHAVA-SUP-BASE/NHAVA-ELECT-MAINT/2024/Works/1296003		
Date	04.11.2024		

Notification of Award

To,

M/s Sadanand Engineering Works

At Bokadvira, Uran – Panvel Road, Uran,

District Raigad, Navi Mumbai – 400702.

Vendor Code: 809420

Sub: Notification of Award (NOA) for *Subhead-I: Construction of PEB Shed and other miscellaneous works for Shed No.1, ONGC Nhava Supply Base* of tender invited for *Construction of PEB Shed No.1 & other miscellaneous works and Renovation of Shed No.4 & 11 (IMR) at Nhava Supply Base, Nhava.*

Ref:

a) Tender No. PCLSC24002

b) Tender ID: 2024_ONGC_204767_1

Sir,

- Oil and Natural Gas Corporation Limited (ONGC) is pleased to place this Notification of Award (NOA) of Contract to M/s Sadanand Engineering Works, 267, S.G. House, Bokadvira, Uran-Panvel Rd, Uran, Navi Mumbai - 400702 for ***“Construction of PEB Shed and other miscellaneous works for Shed No.1, ONGC Nhava Supply Base”*** at your quoted offer of **Rs.4,59,52,018.76 (Rupees Four Crores Fifty Nine Lakhs Fifty Two Thousand Eighteen and Seventy Six Paise)** being 4.52% below the estimated cost of ₹4,07,85,912.00 (Rupees Four Crores Seven Lakhs Eighty Five Thousand Nine Hundred Twelve only) with 18% GST for the total contract period. Your quoted offer of 4.52% below the estimated cost put to tender for Subhead-I of the referred tender shall be applicable on all the items of BOQ attached with this tender.
- Period of Contract:** Time period for completion of work shall be **12 (Twelve) Months** for Subhead-I work of Tender No. PCLSC24002 from the date of issuance of LOA/NOA/ intimation for handing over of site by ONGC, whichever is later.
- Terms of Payment**
Invoices along with supporting documents can be submitted/uploaded through VIMS Portal (<https://vims.ongc.co.in/>), which is the preferred mode of submission of Invoice. Invoice (PDF



digitally signed with class II/ III signature) and supporting documents can be uploaded in VIMS Portal by logging-in with the help of Vendor Code.

The original Invoice should accompany the following documents/ details invariably along with the invoice issued under GST law indicating the GST Registration of service provider:

- i. Wage Register
- ii. EPF Challan
- iii. Workmen's Compensation/ Employers' Liability Insurance Policy
- iv. Copy of Current Status of valid GST registration certificate from GST site.
- v. Particulars required for making payments through 'Electronic Payment Mechanism', in accordance with the clause on 'MODE OF PAYMENT' appearing in Clause No.12 of 'Instructions to bidders' of bid document.
- vi. Tax Invoice issued under relevant GST legislations/rules indicating rates and amount of various taxes/ duties shown separately, etc. Invoices along with supporting documents can be submitted/ uploaded through VIMS Portal (<https://vims.ongc.co.in/>), which is the preferred mode of submission of Invoice. Invoice (PDF digitally signed with class II/ III signature) and supporting documents can be uploaded in VIMS Portal by logging-in with the help of Vendor Code.

The ONGC shall arrange approval of the invoice (undisputed amount) and payments within 10 (Ten) working days of receipt thereof along with relevant documents and job completion certification by the Engineer-In-Charge or his authorized representative.

4. You are requested to furnish Security Deposit/ Performance Security in the form of a NEFT/RTGS/Electronic Fund Transfer/an Irrevocable Letter of Credit/ Electronic Bank Guarantee (e-BG)/SFMS Bank Guarantee(SFMS BG) as per the prescribed format provided in the tender document, for a sum equivalent to 10 % (Ten percent) of the NOA value i.e. for **Rs.45,95,202.00** (Rupees Forty Five Lakhs Ninety Five Thousand Two Hundred and Two only) within 15 (fifteen) days from the date of this NOA. The performance security shall be valid initially up to scheduled completion date for the work plus Warranty Period (12 months) plus sixty (60) days i.e. for 26 Months (up to 03.01.2027).
5. You are requested to confirm within 03 days of issue of this NOA that Security Deposit shall be submitted within 15 days from date of NOA and Non-submission of PBG within stipulated period may lead to annulment of the contract and actions as per tender/NOA conditions.
6. You are further requested to attend this office in person on any working day executing the Agreement with ONGC within 30 (Thirty) days from the date of issuance of this letter. Contract shall be signed after submission of security deposit. Non-compliance of above, will lead to forfeiture of EMD and cancellation/ termination of award of work beside other actions as per tender/ NOA.
7. Please note that the "tender document with all supporting papers and documents" submitted by you along with this NOA will be treated as "Agreement", till such time the formal agreement is not executed by you. No payment will be made for work executed by you till security deposit is submitted and formal agreement is executed.

8. M/s Sadanand Engineering Works shall obtain labor license from the concerned authorities prior to commencement of work as per applicability.
9. M/s Sadanand Engineering Works shall obtain Entry Passes for the personnel prior to their deployment at the site of work in Nhava Supply Base

Further you are requested to contact Engineer-in-Charge for taking over site, for further instructions and correspondence regarding execution of the work.

Kindly acknowledge receipt of this Notice of Award (NOA).

Yours Faithfully,


09/11/24

Authorized Signatory
NEERAJ KUMAR SHARMA
नीरज कुमार शर्मा

Chief General Manager (Electrical) - Incharge Project
मुख्य महाप्रबंधक (विद्युत) - प्रभाटी परियोजना
Nhava Supply Base, OFSL, ONGC
नवा स्लाई बेस, ओएफएसएल, ओएनजीसी

PRICE SCHEDULE

"SCHEDULE-B" - ABSTRACT

CIVIL WORKS

Item No.	Description of item	Unit	Qty.	Rate (excluding taxes)	Amount
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil.	cum	544.00	180.14	97,996.32
2	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of Asbestos Cement Sheet.	sqm	3357.00	55.90	1,87,644.67
3	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.	kg	170661.34	2.81	4,78,839.36
4	Extra for dismantling trusses, rafters, purlins etc. of steel work for every Kg per additional span of one metre or part thereof beyond 10 metres	kg per metre span	170661.34	0.61	1,04,746.11
5	Extra for dismantling trusses, rafters, purlins etc. of steel work for Kg per meter every additional height of one metre or part thereof beyond 5 metres.	kg per metre span	170661.34	0.61	1,04,746.11
6	Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in: R.S. Joists	kg	229.00	2.46	562.21
7	Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in: Channels, angles, tees and flats	kg	500.00	1.67	832.97
8	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres and below	each	53.00	265.41	14,066.73
9	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. In cement mortar	cum	218.00	1489.22	3,24,648.93
10	Demolishing nominal cement concrete 1:3:6 or richer mix manually/ by mechanical means including stacking of steel bars and disposal of unserviceable materials within 50metres lead as per direction of Engineer-in-charge.	cum	71.50	1759.84	1,25,828.72
11	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :15 mm to 40 mm nominal bore	metre	30.00	108.81	3,264.36
12	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-charge.	cum	63.00	2567.38	1,61,745.11
13	Dismantling existing rolling shutters made of MS Laths, interlocked and jointed at the end i/c shaft, bracket, side guides, springs, top cover, all other components etc complete with all lift and stacking at the disposal point with a lead upto 2 Km within ONGC Nhava complex.	sqm	250.00	141.20	35,300.00
14	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead : 150 mm dia pipe	metre	30.00	58.04	1,741.34

15	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material within all lifts and lead upto 1km (by mechanical means).	sqm	420.00	5.13	2,154.32
16	Providing and laying in position ready mixed plain cement concrete, with cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge. Note : 1) Excess/less cement used than specified in this item is payable/recoverable separately. All works upto plinth level M-15 grade plain cement concrete (cement content considered @ 240 kg/cum)	cum	36.00	7167.69	2,58,036.83
17	Providing and laying in position ready mixed plain cement concrete, with cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge. Note : 1) Excess/less cement used than specified in this item is payable/recoverable separately. All works upto plinth level M-10 grade plain cement concrete (cement content considere @ 220 kg/cum)	cum	44.00	7043.58	3,09,917.40
18	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. All works upto plinth level; Concrete of M30 grade with minimum cement content of 350 kg /cum	cum	701.00	7738.14	54,24,436.96
19	Centering and shuttering including strutting, propping etc. and removal of form for :Foundations, footings, bases of columns, etc. for mass concrete	sqm	415.00	270.01	1,12,055.46
20	Centering and shuttering including strutting, propping etc. and removal of form for :Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	304.00	533.41	1,62,155.55
21	Centering and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform	sqm	9.00	672.12	6,049.06
22	Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS: 4457, complete as per the direction of Engineer-in- Charge. In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand). Acid and alkali resistant	sqm	1875.00	1328.76	24,91,423.72

	tile				
23	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete.	cum	135.00	7755.00	10,46,925.00
24	Providing and laying autoclaved aerated cement blocks masonry with 100 mm thick AAC blocks in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand). The rate includes providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of masonry work.	cum	76.00	7795.53	5,92,460.15
25	12 mm cement plaster of mix: 1:4 (1 cement: 4 fine sand)	sqm	2475.00	258.53	6,39,854.23
26	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted bars	kg	82542.75	78.61	64,88,345.06
27	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	3419.28	98.16	3,35,632.09
28	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm	242.00	2638.14	6,38,430.16
29	Extra for providing mechanical device chain and crank operation for operating rolling shutters Exceeding 16.80 sqm in area	sqm	242.00	972.12	2,35,252.43
30	Providing and fixing ball bearing for rolling shutters.	each	8.00	371.94	2,975.54
31	Welding by gas or electric plant including transportation of plant at site etc. complete.	cm	1000.00	2.98	2,981.15
32	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	1840.00	124.77	2,29,576.50
33	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work	sqm	408.00	81.32	33,180.18
34	Finishing walls with water proofing cement paint of required shade: New work (Two or more coats applied @ 3.84 kg/10 sqm)	sqm	785.00	85.58	67,177.55
35	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	sqm	500.00	115.26	57,628.23
36	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete	cum	1323.00	599.00	7,92,477.00
37	Supplying and fixing C.I. cover without frame for manholes: 455 x 610 mm rectangular C.I. cover (light duty) the weight of the cover to be not less than 23 kg	each	3.00	1176.11	3,528.32

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38	52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix: 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound is mixed @ 2 litre per 50 kg of cement or as per manufacturers specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete	sqm	1680.00	750.46	12,60,773.35
39	Providing and fixing glass strips in joints of terrazo/ cement concrete floors - 40 mm wide and 4 mm thick	metre	1182.00	69.71	82,392.81
40	Supply of dumper on hire charges inclusive of diesel, lube oil, cleaner, driver etc without labourers	per shift of 8 hours	10.00	3115.93	31,159.30
Total Amount of Civil Works excl. taxes					2,29,48,941.26
Say (A1)					2,29,48,941.00

PEB WORKS

Item No.	Description of item	Unit	Qty.	Rate (excluding taxes)	Amount
41	a) Design, Engineering, Manufacturing and Fabrication of PEB structure and its components like roofing, wall cladding etc. complete including supply of all components viz. PEB structure, Turbo ventilators, Anchor bolts and connections, Main frame, columns and rafters, purlins, Grit, Eave struts, bracings, Roof Sheeting & Wall Cladding, framed opening for doors & windows, fasteners, Paints and all other items required to erect the shed at site as per design done and got vetted from IIT Mumbai/ VJTI, Mumbai/ COE, Pune/ equivalent government institute including providing Design calculations, working drawings, Detailed Specifications, etc. as per scope of work, technical parameters and indicative shed layout given in the drawing. Golden parameters for designing the shed include the following: i) Size of the shed at G.L. would be 50mx37.5m and the height of shed shall be 8.0m at the ends with proper slope, however, the vertical sheet cladding shall drop 6.0 meter from the edge. ii) Structural provision for installation of Solar panels on roof with a uniform distributed load of 18kg/m2. iii) Structural provision for Electric Overhead Travelling crane (EOT) of 10T capacity @6.0m height from FFL. Erection of PEB shed shall be carried out strictly as per design vetted by the institute as mentioned above. Adequate factor of safety shall be considered for designing the structural components w.r.t golden parameters. Appropriate codes may be followed.	m2	1875	9134.17	1,71,26,568.75
	b) Design & Engineering of PEB substructure as per the load calculations of PEB superstructure at S.No.(a) and the same shall be vetted from IIT Mumbai/ VJTI, Mumbai/ COE, Pune/ equivalent government institute including working drawings, detailed specifications, etc. as per requirement.				
Total Amount of PEB Works excl. taxes					1,71,26,568.75
Say (B1)					1,71,26,569.00

ELECTRICAL WORKS

Sr. No	Details Of Items	Unit	Qty	Unit Rate in Rs. (exclusive of Taxes)	Amount (in Rs)
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1	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	No	4	6551.51249	26206.05
2	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Mtr	100	213.941254	21394.13
3	Excavating hard murum / metal road by chiselling for preparing pit for poles stay or earth plates or for laying cables, pipes & clearing the site by removing debris & making the site as required complete.	m ³	20	262	5240.00
4	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	Each	24	76.2823323	1830.78
5	Installation ,Testing, Commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required.	Each	35	104.340202	3651.91
6	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	Each	25	637.439719	15935.99
7	Supplying and fixing 30 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top along with 30 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	4	3601.05217	14404.21
8	Supplying High BayLED Light 200 Watt, 240 Volts, 50 Hz, IP 65, Luminaire System Efficacy - Lumen output - (Lumen::Watt) ≥ 120	Each	24	2200	52800.00
9	Providing and erecting air circulator 600 mm. sweep oscillating type, wall mounting 1440 RPM without speed regulator, overheat protection unit, totally enclosed, flame proof motor suitable for 230/250 volts single phase, 50 cycles A.C. supply, core lead wire and with moisture proof treatment to winding and with 'E' class insulation.	Each	20	5790	115800.00
10	Supplying, erecting & terminating XLPE armoured cable 1100 V. 4 core 150 sq. mm. aluminium conductor with continuous 12.97 sq. mm. (8 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	m	100	896	89600.00
11	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. Above 95 sq. mm and upto 185 sq. mm	Mtr	60	370.013152	22200.79
12	Supplying, erecting & terminating XLPE armoured cable 1100 V. 4 core 35 sq. mm. aluminium conductor with continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	m	100	292	29200.00
13	Supplying, erecting & terminating XLPE armoured cable 1100 V. 4 core 25 sq. mm. aluminium conductor with continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	m	180	236	42480.00

14	Providing & erecting floor / wall mounting, MCCB panel board with door suitable for four pole incoming 250A, 4 ways four pole outgoing upto 100 A MCCB's on iron frame, as per specification no SW-SWR/MCCBPB. (Excluding MCCB'S)	Each	1	37238	37238.00
15	4 pole MCCB, 250A, 36KA	Each	1	12953	12953.00
16	4 pole MCCB, 125A, 36KA	Each	4	5961	23844.00
17	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)	Each	1	3587.02324	3587.02
	4 way (4 + 12), Double door				
	8 way (4 + 24), Double door	Each	1	5231.91583	5231.92
18	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single Pole	Each	35	224.462955	7856.20
19	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Triple pole and neutral	Each	4	1076.72074	4306.88
20	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required 40 A	Each	1	2795.26523	2795.27
21	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required 63 A	Each	1	2518.19377	2518.19
22	Supplying and fixing of 32 mm dia X 2.00 metres long G.I. pipe (medium class) bracket for mounting of fluorescent / HPMV /HPSV street light fitting on pole including bending the pipe to the required shape, 2 nos 40 mm X 3 mm flat iron clamps with nuts, bolts and washer, painting the flat iron with primer and finish paint etc. as required.	Each	10	1295.04603	12950.46
23	Supplying and erecting LED street light fitting suitable for above 70W- 75W lamp, including lamp, with PF > 0.95 class IP 65 and above housing of pressure die cast aluminium alloy and heat sink extruded aluminium complete per specification No FG-ODF/FLS2	Each	10	6129	61290.00
24	Supplying and erecting PVC insulated PVC round sheathed 1.5 sq.mm (30 no. x 0.25 mm dia.) 3 core flexible multi stranded copper Industrial cable for voltage grade up to 1.1 kV	m	200	57	11400.00
25	Supplying and fixing 25 mm dia MS flexible pipe with PVC coating along with all ancillaries and accessories like coupler etc. as required.	Mtr	80	46.4708461	3717.67
26	Supplying & erecting FRP box of size 250 x 200 x 100 mm, 2.7 mm thick complete on pole/wall as per specification no. CB-SB	Each	35	542	18970.00

K. S. S. S.

27	Supplying, erecting & terminating XLPE armoured cable 1100 V. 4 core 4 sq. mm. aluminium conductor with continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	m	500	122	61000.00
Total Amount of Electrical Works excl. Taxes					710402.46
				Say (C1)	710402.00
	Total Amount of Shed No.1 incl. Civil, PEB & Electrical Works excl. Taxes		A1+B1+C1	SH - I	4,07,85,912.00


 NEERAJ KUMAR SHARMA
 गीरज कुमार शर्मा
 Chief General Manager (Electrical) - Incharge Project
 मुख्य महाप्रबंधक (विद्युत) - प्रभादी परियोजना
 Nhava Supply Base. OFSL. ONGC
 न्हावा सुप्लाय बेस, ओएफएसएल, ओएनजीसी

		OIL AND NATURAL GAS CORPORATION LIMITED OFFSHORE LOGISTICS GROUP, MUMBAI NHAVA SUPPLY BASE	
Office of the Civil Engineering Section Infrastructure Works Nhava Supply Base, PO – Nhava, Dist – Raigad, PIN-410 206		Tel: 022-27211061/63/66 Fax: 022-27212355	
No.	PVL/NHAVA-SUP-BASE/NHAVA-ELECT-MAINT/2024/Works/1296003		
Date	04.11.2024		

Notification of Award

To,
M/s Shiv Langeswar Enterprises
 AT Morave,
 Post-Vahal, Sector – 3,
 Ulwe Node, Tal. Panvel
 Dist – Raigad, Navi Mumbai
 Pin – 410 206.

Sub: Notification of Award (NOA) for:

Subhead-II: Renovation works for shed no.4 at ONGC, Nhava Supply Base, Nhava

Subhead-III: Renovation works of shed no.11 (IMR shed) at ONGC, Nhava Supply Base, Nhava.

of tender invited for ***Construction of PEB Shed No.1 & other miscellaneous works and Renovation of Shed No.4 & 11 (IMR) at Nhava Supply Base, Nhava.***

Ref:

- a) **Tender No.** PCLSC24002
- b) **Tender ID:** 2024_ONGC_204767_1

Sir,

1. Oil and Natural Gas Corporation Limited (ONGC) is pleased to place this Notification of Award (NOA) of Contract to M/s Shiv Langeswar Enterprises At Morave, Post – Vahal, Sector-3, Ulwe Node, Tal. Panvel, Dist. Raigad, Navi Mumbai – 410206 for the above mentioned name of work at your quoted offer of **Rs.1,57,15,020.52 (Rupees One Crore Fifty Seven Lakhs Fifteen Thousand Twenty and Paise Fifty Two Only)** being **5.20% Below** the estimated cost put to tender for ***Subhead-II: “Renovation Works for Shed No.4 at ONGC, Nhava Supply Base, Nhava”*** i.e. Rs.1,40,48,327.00 (Rupees One Crore Forty Lakhs Forty Eight Thousand Three Hundred Twenty Seven Only) with 18% GST for the total contract period and **Rs.1,44,06,817.06 (Rupees One Crore Forty Four Lakhs Six Thousand Eight Hundred Seventeen and Paise Six Only)** being **9.89% Below** the estimated cost put to tender for ***Subhead-III: Renovation Works of Shed No.11 (IMR shed) at ONGC, Nhava Supply Base, Nhava*** i.e. Rs.1,35,49,181.00 (Rupees One Crore Thirty Five Lakhs Forty Nine Thousand One Hundred and Eighty One Only) with 18% GST for the total contract period



2. **Period of Contract:** Time period for completion of work shall be **12 (Twelve) Months** for each subhead (i.e. Subhead-II & III of Tender No.PCLSC24002) from the date of issuance of LOA/NOA/ intimation for handing over of site by ONGC, whichever is later. Each site may be handed over separately and the contractor shall be responsible to complete the site within the contract period as per the subhead wise completion period.

3. **Terms of Payment**

Invoices along with supporting documents can be submitted/uploaded through VIMS Portal (<https://vims.ongc.co.in/>), which is the preferred mode of submission of Invoice. Invoice (PDF digitally signed with class II/ III signature) and supporting documents can be uploaded in VIMS Portal by logging-in with the help of Vendor Code.

The original Invoice should accompany the following documents/ details invariably along with the invoice issued under GST law indicating the GST Registration of service provider:

- i. Wage Register
- ii. EPF Challan
- iii. Workmen's Compensation/ Employers' Liability Insurance Policy
- iv. Copy of Current Status of valid GST registration certificate from GST site.
- v. Particulars required for making payments through 'Electronic Payment Mechanism', in accordance with the clause on 'MODE OF PAYMENT' appearing in Clause No.12 of 'Instructions to bidders' of bid document.
- vi. Tax Invoice issued under relevant GST legislations/rules indicating rates and amount of various taxes/ duties shown separately, etc. Invoices along with supporting documents can be submitted/ uploaded through VIMS Portal (<https://vims.ongc.co.in/>), which is the preferred mode of submission of Invoice. Invoice (PDF digitally signed with class II/ III signature) and supporting documents can be uploaded in VIMS Portal by logging-in with the help of Vendor Code.

The ONGC shall arrange approval of the invoice (undisputed amount) and payments within 10 (Ten) working days of receipt thereof along with relevant documents and job completion certification by the Engineer-In-Charge or his authorized representative.

4. You are requested to furnish Security Deposit/ Performance Security in the form of a NEFT/RTGS/Electronic Fund Transfer/an Irrevocable Letter of Credit/ Electronic Bank Guarantee (e-BG)/SFMS Bank Guarantee(SFMS BG) as per the prescribed format provided in the tender document, for a sum equivalent to 10 % (Ten percent) of the NOA value i.e. for **Rs.15,71,503.00 (Rupees Fifteen Lakhs Seventy One Thousand Five Hundred and Three only)** against Subhead-II and **Rs.14,40,682.00 (Rupees Fourteen Lakhs Forty Thousand Six Hundred Eighty Two Only)** against Subhead-III within 15 (fifteen) days from the date of this NOA. The performance security shall be valid initially up to scheduled completion date for the work plus Warranty Period (12 months) plus sixty (60) days i.e. for 26 Months (up to 03.01.2027).
5. You are requested to confirm within 03 days of issue of this NOA that Security Deposit shall be submitted within 15 days from date of NOA and Non-submission of PBG within stipulated period may lead to annulment of the contract and actions as per tender/NOA conditions.

6. You are further requested to attend this office in person on any working day executing the Agreement with ONGC within 30 (Thirty) days from the date of issuance of this letter. Contract shall be signed after submission of security deposit. Non-compliance of above, will lead to forfeiture of EMD and cancellation/ termination of award of work beside other actions as per tender/ NOA.
7. Please note that the "tender document with all supporting papers and documents" submitted by you along with this NOA will be treated as "Agreement", till such time the formal agreement is not executed by you. No payment will be made for work executed by you till security deposit is submitted and formal agreement is executed.
8. M/s Shiv Langeshwar Enterprises shall obtain labor license from the concerned authorities prior to commencement of work as per applicability.
9. M/s Shiv Langeshwar Enterprises shall obtain Entry Passes for the personnel prior to their deployment at the site of work in Nhava Supply Base

Further you are requested to contact Engineer-in-Charge for taking over site, for further instructions and correspondence regarding execution of the work.

Kindly acknowledge receipt of this Notice of Award (NOA).

Yours Faithfully,


04/11/2024
Authorized Signatory

S. K. WAGHMARE
Dy. Gen. Manager (Elect.)
Electrical Section
ONGC, NHAVA

PRICE SCHEDULE

Subhead-II: Renovation works for shed no.4 at ONGC, Nhava Supply Base, Nhava

CIVIL WORKS					
Item No.	Description of item	Unit	Qty.	Rate excluding taxes	Amount excluding taxes
1	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	sqm	1127.00	39.50	44,515.20
2	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.	kg	2000.00	2.80	5,607.35
3	Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in: R.S. Joists.	kg	500.00	2.46	1,228.67
4	Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in: Channels, angles, tees and flats.	kg	500.00	1.67	832.86
5	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. In cement mortar.	Cum	53.00	1489.21	78,928.33
6	Demolishing nominal cement concrete 1:3:6 or richer mix (i/c equivalent design mix) manually/ by mechanical means including stacking of steel bars and disposal of unserviceable materials within 50metres lead as per direction of Engineer-in-charge.	Cum	56.00	1759.84	98,551.19
7	Demolishing RCC work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	Cum	26.00	2567.38	66,751.98
8	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps : 200 mm diameter	metre	500.00	75.67	37,833.13
9	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 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m. All kinds of soil.	cum	262.00	251.51	65,896.79



10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :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	25.00	5991.58	1,49,789.48
11	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 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	769.00	7614.03	58,55,185.37
12	Steel reinforcement for RCC 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	42295.00	78.60	33,24,466.49
13	Centering and shuttering including strutting, propping etc. and removal of form for: foundations, footing, bases of columns, etc for mass concrete.	sqm	232.00	270.01	62,642.43
14	Centering and shuttering including strutting, propping etc. and removal of form for: suspended floors, roofs, landings, balconies and access platform.	sqm	22.00	672.12	14,786.54
15	Centering and shuttering including strutting, propping etc. and removal of form for: Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	sqm	87.00	587.07	51,074.66
16	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete	cum	99.00	7755.00	7,67,745.00
17	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	sqm	1559.00	258.52	4,03,038.38

18	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	4785.00	81.59	3,90,393.65
19	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	2000.00	98.16	1,96,323.28
20	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 -part 1 and M.S. top cover of required thickness for rolling shutters. 80x 0.90 mm M.S. laths with 0.90 mm thick top cover.	sqm	165.00	2383.96	3,93,352.97
21	Extra for providing mechanical device chain and crank operation for operating rolling shutters Exceeding 16.80 sqm in area.	sqm	165.00	972.12	1,60,399.29
22	Providing and placing in position 100 mm thick factory made machine batched & machine mixed Precast RCC Rectangular Covers on drains of footpath of various sizes, of M-25 grade cement concrete for RCC work, including cost of centering, shuttering, reinforcement of 8 mm dia TMT bars of Fe 500 grade @ maximum 100mm c/c on both ways, neat cement punning on finished surface, properly encased on all edges with 1.6 mm thick, 100 mm wide MS sheet duly painted over priming coat, reinforcement to be welded at edges with MS sheet and providing 2 Nos. 12 mm dia bar for hooks etc i/c cost of cartage, all leads & lift, handling at site etc. all complete as per direction of Engineer-in-Charge.	sqm	114.00	2294.74	2,61,600.68
23	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50gms/ litre, of approved Manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work.	sqm	610.00	81.32	49,607.09
24	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. Two coats.	sqm	686.00	101.76	69,805.26



25	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work.	sqm	330.00	115.26	38,034.42
26	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 250 mm dia. R.C.C. pipe	metre	500.00	711.23	3,55,613.31
27	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum	408.00	192.32	78,468.16

Total Cost of Civil Works excluding taxes 1,30,22,471.95

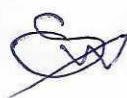
Say (A2) 1,30,22,472.00

ELECTRICAL WORKS

Sr.No	Details Of Items	Unit	Qty	Unit Rate (in Rs)	Amount (in Rs)
1	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	No	4	6551.51	26206.05
2	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Mtr	100	213.94	21394.13
3	Excavating hard murum / metal road by chiselling for preparing pit for poles stay or earth plates or for laying cables, pipes & clearing the site by removing debris & making the site as required complete.	m ³	20	262.00	5240.00
4	Installation ,Testing, Commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required.	Each	120	104.34	12520.82
5	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	Each	5	637.44	3187.20
6	Supplying and fixing 30 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top along with 30 A "C" curve, TPSCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	Each	4	3601.05	14404.21



7	Supplying High Bay LED light 200 W , 240 volt , 50 Hz, IP65, Luminaries system, Lumen output minimum 120 lumen per watt	Each	120	2200.00	264000.00
8	Providing and erecting air circulator 600 mm. sweep oscillating type, wall mounting 1440 RPM without speed regulator, overheat protection unit, totally enclosed, flame proof motor suitable for 230/250 volts single phase, 50 cycles A.C. supply, core lead wire and with moisture proof treatment to winding and with 'E' class insulation.	Each	4	5790.00	23160.00
9	Supplying, erecting & terminating XLPE armoured cable 1100 V. 4 core 95 sq. mm. aluminium conductor with continuous 8.35 sq. mm. (10 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	Mtr	170	596.00	101320.00
10	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. Above 35 sq. mm and upto 95 sq. mm	Mtr	20	355.11	7102.15
11	Supplying, erecting & terminating XLPE armoured cable 1100 V. 4 core 35 sq. mm. aluminium conductor with continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	Mtr	250	292.00	73000.00
12	Providing & erecting floor / wall mounting, MCCB panel board with door suitable for four pole incoming 250A, 4 ways four pole outgoing upto 100 A MCCB's on iron frame, as per specification no SW-SWR/MCCBPB. (Excluding MCCB'S)	Each	1	37238.00	37238.00
13	4 pole MCCB, 250A, 36KA	Each	1	12953.00	12953.00
14	4 pole MCCB, 100A, 30KA	Each	4	5623.00	22492.00
15	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)	Each	4	5231.92	20927.66
	8 way (4 + 24), Double door				



16	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single Pole	Each	96	224.46	21548.44
17	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required 40 A	Each	4	2795.27	11181.06
18	Supplying and fixing of 32 mm dia X 2.00 metres long G.I. pipe (medium class) bracket for mounting of fluorescent / HPMV /HPSV street light fitting on pole including bending the pipe to the required shape, 2 nos 40 mm X 3 mm flat iron clamps with nuts, bolts and washer, painting the flat iron with primer and finish paint etc. as required.	Each	10	1295.05	12950.46
19	Supplying and erecting LED street light fitting suitable for above 70W- 75W lamp, including lamp, with PF > 0.95 classIP 65 and above housing of pressure die cast aluminium alloy and heat sink extruded aluminium complete per specification No FG-ODF/FLS2	Each	10	6129.00	61290.00
20	Supplying and erecting PVC insulated PVC round sheathed 1.5 sq.mm (30 no. x 0.25 mm dia.) 3 core flexible multi stranded copper Industrial cable for voltage grade up to 1.1 kV	m	100	57.00	5700.00
21	Supplying and fixing 25 mm dia MS flexible pipe with PVC coating along with all ancillaries and accessories like coupler etc. as required.	Mtr	50	46.47	2323.54
22	Supplying & erecting FRP box of size 150 x 125 x 100 mm, 2.7 mm thick complete on pole/wall as per specification no. CB-SB	Each	130	472.00	61360.00
23	Supplying, erecting & terminating XLPE armoured cable 1100 V. 4 core 4 sq. mm. aluminium conductor with continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	m	1250	122.00	152500.00
24	Dismantling the existing light, fan, bell, clock, independent plug point, wiring including circuit mains of all types along with accessories etc. complete as per specificationNo: WG-DM/PW	Point	120	8.00	960.00
25	Dismantling the existing W.T. fluorescent fitting/ S.V./ M.V. / M.H. lamp /LED fitting from pole with brackets complete.	Each	120	108.00	12960.00



26	Dismantling any type of unserviceable feeder pillar, switch gear panel, capacitor panel, metering panel, bus-bar panel, electronic equipment panel, etc. and remaking the site good as original complete. (approx. size (upto 200cm. x 90 cm x 45 cm and above) - big cupboard)	Each	1	1862.00	1862.00
27	Dismantling the existing switchgears, DB, and bus bar of any size complete with/ without board or angle iron frame complete.	Each	4	91.00	364.00
28	Dismantling the existing cables of all types & size above 10 sq mm up to 50 sq. mm.	m	50	23.00	1150.00
29	Dismantling the existing cables of all types & size above 50 sq. mm.	m	20	29.00	580.00
30	Dismantling the existing aluminium /copper mains, submains wiring upto 10 sq.mm. along with accessories etc complete as per specification No: WG-DM/PW	m	20	3.00	60.00
Total Cost of Electrical Works excl. taxes					9,91,934.73
Say (B2)					9,91,935.00
INFOCOM WORKS					
Sl.	Description of Item	Unit	Qty /Mtr	Unit Rate(Rs./M)	Amount(Rs.)
1	Laying including supply of PVC Conduit (ISI Mark) 2 inch dia. along with sockets, elbows, bends.	M	90	48	4,320.00
2	Laying including supply of PVC casing / capping 2 inch size	M	20	60	1,200.00
3	Laying of UTP cable through PVC conduit/casing capping above ceilings/ along the wall / Floor, fixing of I/O wall outlet, with face plate and surface box etc. including Supply of Cat 6 Cable (AMP, Avaya, Molex, Krone, D-Link), RJ-45 jacks etc.(Laying of UTP cable only)	M	360	15	5,400.00
4	Termination of UTP cable on Jack Panel, Wall I/O outlet, testing, labelling, fixing including Supply of I/O points, faceplates etc.	Nos	4	300	1,200.00
5	Laying of UTP cable through PVC conduit/casing capping above ceilings/ along the wall / Floor, fixing of I/O wall outlet, with face plate and surface box etc. including Supply of Cat 6 Cable (AMP, Avaya, Molex, Krone, D-Link), RJ-45 jacks etc.(inclusive of all items at the terminating point)	Points	4	1400	5,600.00

6	Laying of UTP cable through PVC conduit/casing capping above ceilings/ along the wall / Floor(Supply of Cat 6 Cable (AMP, Avaya, Molex, Krone, D-Link)	M	360	45	16,200.00
Total Cost of Infocom Works excl. taxes					33,920.00
				Say (C2)	33,920.00
	Total Amount of Shed No.4 incl. Civil, Electrical & Infocom Works excl. Taxes		A2+B2+C2	SH - II	1,40,48,327.00



Subhead-III: Renovation works of shed no.11 (IMR shed) at ONGC, Nhava Supply Base, Nhava.

CIVIL WORKS					
Item No.	Description of item	Qty.	Unit	Rate excluding taxes	Amount excluding taxes
1	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	2700.00	sqm	39.50	1,06,646.88
2	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	127.00	sqm	53.05	6,736.99
3	Demolishing stone rubble masonry 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 : In cement mortar	152.00	cum	1777.38	2,70,162.08
4	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.	2000.00	kg	2.80	5,607.35
5	Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in: R.S. Joists.	500.00	kg	2.46	1,228.67
6	Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in: Channels, angles, tees and flats.	500.00	kg	1.67	832.86
7	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres and below.	26.00	each	265.41	6,900.64
8	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area beyond 3 sq. metres.	2.00	each	363.48	726.96
9	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. In cement mortar.	83.00	cum	1489.21	1,23,604.74
10	Demolishing nominal cement concrete 1:3:6 or richer mix (i/c equivalent design mix) manually/ by mechanical means including stacking of steel bars and disposal of unserviceable materials within 50metres lead as per direction of Engineer-in-charge.	338.00	cum	1759.84	5,94,826.81



11	Demolishing RCC 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.	16.00	cum	2567.38	41,078.14
12	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :15 mm to 40 mm nominal bore.	75.00	metre	108.82	8,161.17
13	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead : 100 mm dia pipe	55.00	metre	56.38	3,100.82
14	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.	36.00	sqm	40.77	1,467.67
15	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 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m. All kinds of soil.	560.00	cum	251.51	1,40,848.10
16	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)	52.00	cum	6457.82	3,35,806.76
17	Providing and laying in position ready mixed or site batched design mix cement concrete for plain cement concrete work, using coarse aggregate and fine aggregate derived from natural sources, portland Pozzalana/ 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 and finishing 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 minimum specified cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.: All works upto plinth level: Concrete of M15 grade with minimum cement content of 240kg/cum.	217.00	cum	7167.69	15,55,388.35



18	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	217.00	sqm	750.46	1,62,850.16
19	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement-All work upto 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.	122.00	cum	7333.80	8,94,723.33
20	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 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).	78.00	cum	8930.33	6,96,566.09
21	Steel reinforcement for RCC 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.	23600.00	kg	78.60	18,55,004.35
22	Centering and shuttering including strutting, propping etc. and removal of form for: foundations, footing, bases of columns, etc for mass concrete.	64.00	sqm	270.01	17,280.67
23	Centering and shuttering including strutting, propping etc. and removal of form for: suspended floors, roofs, landings, balconies and access platform.	196.00	sqm	672.12	1,31,734.61
24	Centering and shuttering including strutting, propping etc. and removal of form for: Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	685.00	sqm	587.07	4,02,139.53
25	<i>Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete</i>	195.00	cum	7755.00	15,12,225.00
26	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	3215.00	sqm	258.52	8,31,153.56
27	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	2000.00	kg	81.59	1,63,173.94



28	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.	2000.00	kg	98.16	1,96,323.28
29	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	900.00	kg	124.77	1,12,294.64
30	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 -part 1 and M.S. top cover of required thickness for rolling shutters. 80x 0.90 mm M.S. laths with 0.90 mm thick top cover.	30.00	sqm	2383.96	71,518.72
31	Extra for providing mechanical device chain and crank operation for operating rolling shutters Exceeding 10.00 sqm and upto 16.80 sqm in the area.	30.00	sqm	972.12	29,163.51
32	Providing and placing in position 100 mm thick factory made machine batched & machine mixed Precast RCC Rectangular Covers on drains of footpath of various sizes, of M-25 grade cement concrete for RCC work, including cost of centering, shuttering, reinforcement of 8 mm dia TMT bars of Fe 500 grade @ maximum 100mm c/c on both ways , neat cement punning on finished surface, properly encased on all edges with 1.6 mm thick , 100 mm wide MS sheet duly painted over priming coat , reinforcement to be welded at edges with MS sheet and providing 2 Nos. 12 mm dia bar for hooks etc i/c cost of cartage, all leads & lift, handling at site etc. all complete as per direction of Engineer-in-Charge.	228.00	sqm	2294.74	5,23,201.35
33	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50gms/ litre, of approved Manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work.	1232.00	sqm	81.32	1,00,190.05
34	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: 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	12.00	sqm	1650.11	19,801.34

35	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.Two coats.	610.00	sqm	101.76	62,071.74
36	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work.	786.00	sqm	115.26	90,591.07
37	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	616.00	sqm	18.28	11,261.48
38	Providing and fixing chromium plated brass handles with necessary screws etc. complete 100 mm.	12.00	each	174.66	2,095.93
39	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	12.00	each	228.24	2,738.83
40	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	6.00	each	750.81	4,504.85
41	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades,laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joints with white cement and matching pigments etc.,complete Size of Tile 600x600 mm.	85.00	sqm	1242.13	1,05,580.83
42	Providing and fixing Ist 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.	7.00	sqm	932.44	6,527.11



43	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @3.3kg/sqm including pointing the joints with white cement and matching pigment etc, complete.	35.00	sqm	820.34	28,711.87
44	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.	2.00	each	1212.01	2,424.03
45	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 550x400 mm with single 15 mm C.P. brass pillar tap.	1.00	each	1472.69	1,472.69
46	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 32 mm dia.	3.00	each	91.50	274.50
47	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material i/malba, all complete as per the direction of Engineer-in charge. Orissa pattern W.C Pan of size 580x440 mm	2.00	each	3376.29	6,752.57
48	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 & making good the walls etc. 15 mm nominal outer dia Pipes	20.00	metre	386.80	7,736.00
49	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 & making good the walls etc. 20 mm nominal outer dia Pipes	20.00	metre	450.46	9,009.20



50	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. External work. 20 mm nominal outer dia Pipes	50.00	metre	241.34	12,066.94
51	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 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.	2000.00	per litre	8.50	17,003.47
52	Providing and fixing brass stop cock of approved quality :15mm dia	4.00	each	266.42	1,065.66
53	Providing and fixing brass bib cock of approved quality :15mm dia	2.00	each	266.42	532.83
54	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball.15 mm nominal bore, 105 mm long, weighing not less than 138 gms.	1.00	each	141.65	141.65
55	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps : 200 mm diameter	45.00	metre	75.67	3,404.98
56	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 250 mm dia. R.C.C. pipe	45.00	metre	711.23	32,005.20
57	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	55.00	metre	280.36	15,419.76
58	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Coupler of 110 mm diameter	20.00	each	105.17	2,103.42
59	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Shoe (plain) of 110 mm diameter	20.00	each	115.74	2,314.85



60	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. bends 87.5 degree of 110 mm diameter	20.00	each	101.67	2,033.32
61	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	195.00	kg	491.76	95,892.52
62	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: Powder coated aluminium (minimum thickness of powder coating 50 micron).	290.00	kg	408.86	1,18,568.94



63	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): Powder coated aluminium (minimum thickness of powder coating 50 micron).	220.00	kg	495.22	1,08,948.37
64	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 5.0 mm thickness (weight not less than 12.5 kg/ sqm)	35.00	sqm	1162.26	40,678.95
65	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	36.00	sqm	833.89	30,019.95
66	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 and), 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.	30.00	sqm	4102.89	1,23,086.73



67	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.	525.00	cum	323.24	1,69,700.53
68	Dry stone pitching 22.5 cm thick including supply of stones and preparing surface complete.	420.00	sqm	720.69	3,02,691.12
69	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	1247.00	cum	192.32	2,39,827.93
Total Amount of Civil Works excl. taxes					1,25,81,728.96
Say (A3)					1,25,81,729.00

ELECTRICAL WORKS

Sr.No	Details Of Items	Unit	Qty	Unit Rate in Rs. (exclusive of Taxes)	Amount (in Rs)
1	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	No	4	6551.51	26,206.05
2	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Mtr	100	213.94	21,394.13
3	Excavating hard murum / metal road by chiselling for preparing pit for poles stay or earth plates or for laying cables, pipes & clearing the site by removing debris & making the site as required complete.	m ³	20	229.72	4,594.48
4	Installation ,Testing, Commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required.	Each	50	104.34	5,217.01
5	Supplying & fixing suitable size GI box wih modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	Each	17	637.44	10,836.48



6	Supplying and fixing 30 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top along with 30 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	3	3601.05	10,803.16
7	Supplying High Bay LED Light 200 Watt, 240 Volts, 50 Hz, IP 65, Luminaire System Efficacy - Lumen output - (Lumen::Watt) ≥ 120	Each	36	2200.00	79,200.00
8	Providing and erecting air circulator 600 mm. sweep oscillating type, wall mounting 1440 RPM without speed regulator, overheat protection unit, totally enclosed, flame proof motor suitable for 230/250 volts single phase, 50 cycles A.C. supply, core lead wire and with moisture proof treatment to winding and with 'E' class insulation.	Each	14	5790.00	81,060.00
9	Supplying, erecting & terminating XLPE armoured cable 1100 V. 4 core 150 sq. mm. aluminium conductor with continuous 12.97 sq. mm. (8 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	Mtr	280	896.00	2,50,880.00
10	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. Above 95 sq. mm and upto 185 sq. mm	Mtr	200	370.01	74,002.63
11	Supplying, erecting & terminating XLPE armoured cable 1100 V. 4 core 25 sq. mm. aluminium conductor with continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	Mtr	180	236.00	42,480.00
12	Providing & erecting floor / wall mounting, MCCB panel board with door suitable for four pole incoming 250A, 6 ways four pole outgoing upto 100 A MCCB's on iron frame, as per specification no SW-SWR/MCCBPB. (Excluding MCCB'S)	Each	1	43348.00	43,348.00
13	4 pole MCCB, 250A, 36KA	Each	2	12953.00	25,906.00
14	4 pole MCCB, 125A, 36KA	Each	5	5961.00	29,805.00
15	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
	6 way (4 + 18), Double door	Each	3	4361.25	13,083.74



	8 way (4 + 24), Double door	Each	1	5231.92	5,231.92
16	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single Pole	Each	50	224.46	11,223.15
17	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required 40 A	Each	4	2795.27	11,181.06
18	Supplying and fixing of 32 mm dia X 2.00 metres long G.I. pipe (medium class) bracket for mounting of fluorescent / HPMV /HPSV street light fitting on pole including bending the pipe to the required shape, 2 nos 40 mm X 3 mm flat iron clamps with nuts, bolts and washer, painting the flat iron with primer and finish paint etc. as required.	Each	8	1295.05	10,360.37
19	Supplying and erecting LED street light fitting suitable for above 70W- 75W lamp, including lamp, with PF > 0.95 class IP 65 and above housing of pressure die cast aluminium alloy and heat sink extruded aluminium complete per specification No FG-ODF/FLS2	Each	8	6129.00	49,032.00
20	Supplying and erecting PVC insulated PVC round sheathed 1.5 sq.mm (30 no. x 0.25 mm dia.) 3 core flexible multi stranded copper Industrial cable for voltage grade up to 1.1 kV	m	100	57.00	5,700.00
21	Supplying and fixing 25 mm dia MS flexible pipe with PVC coating along with all ancillaries and accessories like coupler etc. as required.	Mtr	50	46.47	2,323.54
22	Supplying & erecting FRP box of size 150 x 125 x 100 mm, 2.7 mm thick complete on pole/wall as per specification no. CB-SB	Each	50	472.00	23,600.00
23	Supplying, erecting & terminating XLPE armoured cable 1100 V. 4 core 4 sq. mm. aluminium conductor with continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	m	450	122.00	54,900.00
24	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. Group A	Point	12	1090.75	13,089.00
25	Supplying and erecting fresh air cum exhaust fan of light duty 250 V A.C. 50 cycles 300mm. 1400 RPM rust proof body & blades, wire mesh, duly erected in an approved manner.	Each	2	1346.00	2,692.00



26	Supply, Installation, Testing and Commissioning of 1200 mm sweep,BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC)Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019),THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts,washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	Each	2	2393.69	4,787.37
27	Supplying & erecting LED 18W tube light fitting (4 feet) with polycarbonate housing, heat sink, integrated HF electronic driver complete	Each	4	603.00	2,412.00
28	Supplying, installing, testing and commissioning split type variable speed inverter technology room Air conditioning unit 1 TR having ISEER minimum 4.50 suitable to operate on capacity 250V, 50 cycles, A.C. supply having 1 no. of air handling unit hi-wall / floor mounting type complete with refrigerant R410A/R32 and copper condenser at position. specification no. APAC/ SAC	Each	1	44439.00	44,439.00
29	Dismantling the existing light, fan, bell, clock, independent plug point, wiring including circuit mains of all types along with accessories etc. complete as per specification No: WG-DM/PW	Point	50	8.00	400.00
30	Dismantling the existing ceiling fan /exhaust fan / cabin fan / bracket fan complete with accessories, G.I. down rod, frame etc. and making the site clear.	Each	10	37.00	370.00
31	Dismantling the existing W.T. fluorescent fitting/ S.V./ M.V. / M.H. lamp /LED fitting from pole with brackets complete.	Each	38	108.00	4,104.00
32	Dismantling any type of unserviceable feeder pillar, switch gear panel, capacitor panel, metering panel, bus-bar panel, electronic equipment panel, etc. and remaking the site good as original complete. (approx. size (upto 200cm. x 90 cm x 45 cm and above) - big cupboard)	Each	1	1862.00	1,862.00
33	Dismantling the existing switchgears, DB, and bus bar of any size complete with/ without board or angle iron frame complete.	Each	3	91.00	273.00



34	Dismantling the existing cables of all types & size above 50 sq. mm.	m	20	29.00	580.00
35	Dismantling the existing aluminium /copper mains, submains wiring upto 10 sq.mm. along with accessories etc complete as per specification No: WG-DM/PW	m	25	3.00	75.00
Total Amount of Electrical Works excl. taxes					9,67,452.06
				Say (B3)	9,67,452.00
	Total Amount of Shed No.11 incl. Civil & Electrical Works excl. Taxes		A3+B3	SH - III	1,35,49,181.00



