



(पंजीकृत डाक)

संदर्भ: भा.वि.प्रा./रापु/उ.म.प्र(अभि.सि.)/सामुदायिक केंद्र/2024/2140-52

दिनांक:-23.12.2024

सेवा में,

To,

मैसर्स गोयल एंड एसोसिएट्स
मकान नंबर 10, राजीव नगर,
रायपुर (छ.ग.) - 492001

M/s Goel and Associates.
House no. 10, Rajiv Nagar,
Raipur (C.G.) - 492001

विषय: स्वामी विवेकानन्द हवाई अड्डा, रायपुर में सामुदायिक केंद्र का निर्माण।

निविदा क्रमांक : 2024 AAI 200828 1

Sub: Construction of Community Center at S.V. Airport, Raipur.

Tender ID: - 2024 AAI 200828 1

संदर्भ: आपकी ई-निविदा जो दिनांक 18.11.2024 को खोली गयी।

Ref: Your E-tender opened on 18.11.2024

महोदय/Sir,

- उपरोक्त कार्य के लिए आपकी मदद दर निविदा आपके द्वारा उद्धरित राशि रु. 4,21,83,759.99 (रुपये चार करोड़ इक्कीस लाख तिरासी हजार सात सौ उनसठ और न्यानबे पैसे मात्र) जो कि अनुमानित लागत रु. 5,92,18,390/- (जी.एस.टी. छोड़कर) से 28.77% नीचे है, को अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकार किया जाता है।
Your e-tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the item rates quoted by you totaling to Rs. 4.21.83.759.99 (Rupees Four Crore Twenty-One Lakhs Eighty-Three Thousand Seven Hundred Fifty-Nine and Ninety-Nine Paise only) (Excluding GST) which is 28.77% Below the estimated cost put to tender of Rs. 5.92.18.390/- (Excluding GST).
- सहा. महाप्रबंधक (इंजीनियरिंग-मिविन), भा.वि.प्रा., स्वामी विवेकानंद हवाई अड्डा, रायपुर इस कार्य के प्रभारी अभियंता होंगे। आपसे अनुरोध है, कि कृपया दिनांक 02.01.2025 तक स्वामी विवेकानंद हवाई अड्डा, रायपुर पर अधोहस्ताक्षरकर्ता के कार्यालय में उपस्थित रहकर संविदा करार तथा करार की कार्यवाही पूर्ण करने का कष्ट करें। यह संविदा करार 100/- रुपये (सौ रुपये मात्र) के गैर-न्यायिक स्टैम्प पेपर पर निष्पादित किया जायेगा, जिसका खर्च आपके द्वारा वहन किया जायेगा।
Asst. General Manager (Engg.-Civil), AAI, Swami Vivekananda Airport, Raipur shall be the Engineer-In-Charge of the work. You are requested to attend the office of the undersigned at Swami Vivekananda Airport, Raipur by 02.01.2025 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs. 100/- (Rupees One Hundred only) and the cost of the stamp paper shall be borne by you.
- आपके निविदा के साथ प्राप्त धरोहर राशि रुपये 11,84,368/- (रुपये ग्यारह लाख चौगमी हजार तीन सौ अड़सठ मात्र) है। कृपया संविदा करार के पेज नंबर जी.सी.सी-16 पर धारा नं. 1ए के अनुसार इस कार्यादेश के जारी होने के तिथि से 10 दिनों के भीतर जमानत जमा के रुपये 30,34,008/- (रुपये तीस लाख चौतीस हजार आठ मात्र) इस कार्यालय में जमा कराये अन्यथा यह निविदा दस्तावेज के पेज नंबर जी.सी.सी-16 पर धारा नं. 1A के अनुसार काटा जायेगा।



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

The Earnest Money amount of Rs. 11,84,368/- (Rupees Eleven Lakhs Eighty-Four Thousand Three Hundred Sixty-Eight Only) received along with your tender. Please deposit Rs. 30,34,008/- (Rupees Thirty Lakhs Thirty-Four Thousand Eight Only) towards security deposit within 10 days from the date of issue of this letter failing which, the same will be deducted as per condition of Clause no. 1A at Page GCC-16 of tender document.

4. आपसे अनुरोध है कि संविदा करार के पेज नंबर जी.सी.सी-52 पर धारा नं. 19 के अनुसार आप ठेका श्रमिक (विनिमय एवं उन्मूलन) अधिनियम 1970 के उपबंधों का अनुपालन करें, साथ ही ठेका श्रमिक (विनिमय एवं उन्मूलन) केन्द्रीय नियमावली 1971, बाल श्रम (निषेध एवं विनिमय) अधिनियम 1986, निर्माण श्रमिक (रोजगार और सेवा की हालत का विनिमय) अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण उपकर अधिनियम 1996 तथा केन्द्र और राज्य सरकारों के अधिनियमों के प्रावधानों का पूर्णतः अनुपालन करेंगे।

You are requested to comply with the provision of Contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central rules 1971, Child Labour (Prohibition & Regulation) Act 1986, Construction Workers (Regulation of Employment and Condition of Service) Act 1996, Building and other construction Workers Welfare Cess Act 1996 as specified in Clause no. 19 on Page no. 52 of GCC of tender and rules of Central and State Governments.

5. आपसे यह भी अनुरोध है कि आप कर्मचारी भविष्य निधि और विविध प्रावधान अधिनियम, 1952 और ई.एस.आई. अधिनियम, 1948 (सभी संशोधनों सहित) एवं उस के अंतर्गत बनाये गये सभी नियमों एवं प्रावधानों का पूर्णतः अनुपालन करेंगे तथा क्षेत्रीय पीएफ आयुक्त द्वारा आबंटित पीएफ खाता कोड संख्या एवं ई.एस.आई. कॉर्पोरेशन द्वारा आबंटित ई.एस.आई. रजिस्ट्रेशन नंबर भी इस कार्यालय में जमा करायेंगे तथा पीएफ खाता कोड और ई.एस.आई. पंजीकरण काम के वास्तविक समापन तक वैध रहें।

You are also requested to comply with all the provision of the employees Provident Fund & Misc. Provision Act, 1952 and ESI Act, 1948 amended from time to time and rules framed there under and furnish the PF account code number allotted by Regional PF Commissioner and ESI Registration number allotted by ESI Corporation and continue to have valid PF account code and ESI registration number till actual completion of the work.

6. आपसे यह भी अनुरोध है कि आप सहा. महाप्रबंधक (अभि-सि) से अविलम्ब संपर्क करें जो आपको साईट हस्तांतरित करने का व्यवस्था करेंगे।

You are also directed to contact AGM (Engg.-Civil) immediately who will arrange hand over site to you.

7. कृपया ध्यान दें कि काम करने के लिए अनुमति देने का समय 10 (दस) महीने होगा, जिसमें 1 महीना बारिश के लिए भी शामिल होगा और इस पत्र के जारी होने के बाद दसवें दिन से माना जायेगा।

Please note that the time allowed for carrying out the work shall be 10 (Ten) Months including 1 month considered for rains and same shall be reckoned from the 10th day after issue of this letter.

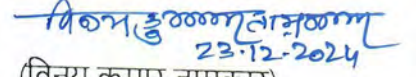
8. आगे से इस अनुबंध के संबंध में किसी प्रकार के पत्राचार को प्रभारी अभियंता को संबोधित किया जाना चाहिए।

Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-charge.

9. कृपया इस पत्र की प्राप्ति-सूचना और स्वीकृति के प्रतीक रूप में इस पत्र की दूसरी प्रति हस्ताक्षर करने के बाद अधोहस्ताक्षरकर्ता को वापस भेज दें।
Please acknowledge the receipt and return the duplicate copy of this letter after signing it to the undersigned as a token of acceptance.

संलग्न: 1) BOQ
2) Form-III

भवदीय,


23.12.2024

(विनय कुमार ताम्रकार)

उप. महाप्रबंधक (अभि.सि.)

भा.वि.प्रा., एस.व्ही. हवाई अड्डा, रायपुर

उप महाप्रबंधक (अभि.-सिविल)

Dy. Gen. Manager (Engg.-Civil)

भारतीय विमानपत्तन प्राधिकरण

Airports Authority of India

स्वामी विवेकानंद हवाई अड्डा, रायपुर

Swami Vivekananda Airport, Raipur

Bill of Quantities

Name of Work: Construction of Community Center at S.V. Airport, Raipur.

Item No.	Description	Units	Qty	Rate	Amount
1.00	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. a) All kinds of soil	Cum	900.00	110.00	99000.00
2.00	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, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.	Cum	340.00	125.00	42500.00
3.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	830.00	70.00	58100.00
4.00	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. a) All kinds of soil	Cum	190.00	50.00	9500.00
5.00	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	370.00	780.00	288600.00
6.00	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : a) 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	140.00	4050.00	567000.00
7.00	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	Cum	250.00	2930.00	732500.00
8.00	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources)	Sqm	390.00	160.00	62400.00
9.00	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	bag	1250.00	12.00	15000.00
10.00	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	Sqm	60.00	95.00	5700.00
11.00	Making plinth protection 50mm thick of cement concrete 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) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	Sqm	50.00	360.00	18000.00
12.00	Centering and shuttering including strutting, propping etc. and removal of form for a) Foundations, footings, bases of columns, etc. for mass concrete	Sqm	950.00	310.00	294500.00
13.00	Centering and shuttering including strutting, propping etc. and removal of form for a) Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	Sqm	10.00	410.00	4100.00



Item No.	Description	Units	Qty	Rate	Amount
14.00	Centering and shuttering including strutting, propping etc. and removal of form for b) Suspended floors, roofs, landings, balconies and access platform	Sqm	1620.00	400.00	648000.00
15.00	Centering and shuttering including strutting, propping etc. and removal of form for a) Edges of slabs and breaks in floors and walls	Sqm	390.00	380.00	148200.00
16.00	Centering and shuttering including strutting, propping etc. and removal of form for c) Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	1270.00	380.00	482600.00
17.00	Centering and shuttering including strutting, propping etc. and removal of form for d) Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	880.00	400.00	352000.00
18.00	Centering and shuttering including strutting, propping etc. and removal of form for e) Stairs, (excluding landings) except spiral-staircases	Sqm	50.00	400.00	20000.00
19.00	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. a) Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	26860.00	79.30	2129998.00
20.00	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. a) Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	48820.00	79.30	3871426.00
21.00	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland / Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. i) All works upto plinth level a). Concrete of M25 grade with minimum cement content of 330 kg /cum	Cum	180.00	4450.00	801000.00

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Item No.	Description	Units	Qty	Rate	Amount
22.00	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. i) All works above plinth level upto floor V level a) Concrete of M25 grade with minimum cement content of 330 kg /cum	Cum	630.00	4600.00	2898000.00
23.00	Add for using extra cement in the items of design mix over and above the specified cement content therein.	Quintal	170.00	600.00	102000.00
24.00	Brick work with non modular Fly ash bricks conforming to IS:12894, class designation 5.0 average compressive strength in foundation and plinth in: a) Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	40.00	4050.00	162000.00
25.00	Brick work with non modular Fly ash bricks conforming to IS:12894, class designation 5.0 in superstructure above plinth level up to floor V level in all shapes and sizes in : a) Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	500.00	4050.00	2025000.00
26.00	Half brick masonry with non modular Fly ash bricks conforming to IS:12894, class designation 5.0 in foundations and plinth in : a) cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	50.00	410.00	20500.00
27.00	Half brick masonry with non modular Fly ash bricks conforming to IS:12894, class designation 5.0 in superstructure above plinth level up to floor V level. : a) cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	170.00	410.00	69700.00
28.00	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	Sqm	220.00	180.00	39600.00
29.00	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 of edges to give high gloss finish etc. complete at all levels. i) Granite stone slab colour black, Cherry/Ruby red a) Area of slab over 0.50 sqm	Sqm	120.00	2900.00	348000.00
30.00	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. a) Granite work	Metre	330.00	170.00	56100.00
31.00	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	Each	40.00	700.00	28000.00

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Item No.	Description	Units	Qty	Rate	Amount
32.00	Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth. a) Granite Stone of approved shade	Each	3.00	2000.00	6000.00
33.00	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). a) Second class teak wood	Cum	10.00	128000.00	1280000.00
34.00	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. a) 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	100.00	2250.00	225000.00
35.00	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.	Nos	20.00	750.00	15000.00
36.00	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. a) Fixed to openings / wooden frames with rawl plugs screws etc.	Kg	330.00	105.00	34650.00
37.00	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	Each	110.00	100.00	11000.00
38.00	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	Each	90.00	750.00	67500.00
39.00	Providing and fixing aluminium tower 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 necessary screws etc. complete : a) 250x10 mm	Each	70.00	85.00	5950.00
40.00	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : a) 125 mm	Each	210.00	70.00	14700.00
41.00	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. a) Twin rubber stopper	Each	110.00	60.00	6600.00
42.00	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 :	Each	100.00	195.00	19500.00

Waste Management

Item No.	Description	Units	Qty	Rate	Amount
43.00	30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.	Sqm	20.00	2250.00	45000.00
44.00	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge.	Metre	50.00	345.00	17250.00
45.00	Providing and fixing factory made uPVC glazed/wire mesh windows/ doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all comers, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Wire mesh I Glazing of plain/ toughened/laminated/ double glass unit with I without high performance coatings as per design requirements and conforming to IS: 3548 & IS: 16231 shall be paid separately. Note:- Structural design proof checked from a Government Engineering Institute, to be provided by the manufacturer for : (i) Sites with basic wind speed > 45 m/sec as per IS 875 - Part 3 (ii) Sites with structure height more than 20m for all wind speeds Two track two panel sliding window with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body. Using R2 series with frame (40 mm & above) x (40 mm & above) & sash (25 mm & above) x (50 mm & above) with zinc alloy (zamak) powder coated touch locks with hook (Height upto 1.2 metre)	Sqm	120.00	7000.00	840000.00
46.00	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	6630.00	100.00	663000.00

विद्यया ऽ मृतमश्नुते

Item No.	Description	Units	Qty	Rate	Amount
47.00	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. a) Hot finished welded type tubes	Kg	14350.00	104.00	1492400.00
48.00	Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ M.S. sheet box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.	Each	30.00	150.00	4500.00
49.00	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	Kg	310.00	100.00	31000.00
50.00	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. a) In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	Kg	770.00	110.00	84700.00
51.00	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	Kg	4300.00	365.00	1569500.00
52.00	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 (1cement 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.	Sqm	110.00	350.00	38500.00
53.00	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : a) 25 mm thick	Sqm	70.00	800.00	56000.00
54.00	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	Sqm	70.00	800.00	56000.00
55.00	Providing and laying GLAZED vitrified tiles (Anti skid/ matt finish) in floor of makes like Orient-Bell, Somany, Johnson, Kajaria or equivalent with 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, over 20 mm thick bed of cement mortar 1:4 (1cement: 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete. a) Size of Tile 600 X 600 mm	Sqm	110.00	930.00	102300.00

किशन कुमार शर्मा

Item No.	Description	Units	Qty	Rate	Amount
56.00	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. a) Size of Tile 600x600 mm	Sqm	190.00	940.00	178600.00
57.00	Providing and laying Vitrified 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 brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). a) Size of Tile 600x600 mm	Sqm	110.00	970.00	106700.00
58.00	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. a) Polished Granite stone slab of colour Black, Cherry/Ruby Red or equivalent	Sqm	1300.00	2800.00	3640000.00
59.00	Providing and fixing in position SWR UPVC soil waste vent or antisiphonage pipes approved Make as per IS- 13592 (working pressure of 6kg /cm ²) including cutting, jointing with approve solvent cement compound as per IS-14735, wastage etc complete as per manufacturer's specifications and satisfaction of Engineer In-charge. a) 75mm dia SWR UPVC pipe lines laid complete	Metre	150.00	200.00	30000.00
60.00	Providing and fixing in position SWR UPVC soil waste vent or antisiphonage pipes approved Make as per IS- 13592 (working pressure of 6kg /cm ²) including cutting, jointing with approve solvent cement compound as per IS-14735, wastage etc complete as per manufacturer's specifications and satisfaction of Engineer In-charge. b) 110mm dia SWR UPVC pipe lines laid complete	Metre	150.00	340.00	51000.00
61.00	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, i) Single socketed pipes. a) 110 mm diameter	Metre	450.00	310.00	139500.00
62.00	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. i) Coupler a) 110 mm	Each	30.00	110.00	3300.00
63.00	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. i) Single tee with door a) 75x75x75 mm	Each	10.00	150.00	1500.00
64.00	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. i) Single tee with door a) 110x110x110 mm	Each	10.00	185.00	1850.00

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Item No.	Description	Units	Qty	Rate	Amount
65.00	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. i) Bend 87.5° a) 75 mm bend	Each	80.00	95.00	7600.00
66.00	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. i) Bend 87.5° a) 110mm bend	Each	100.00	120.00	12000.00
67.00	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete. a) 75 mm	Each	100.00	100.00	10000.00
68.00	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete. a) 110mm	Each	130.00	150.00	19500.00
69.00	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with : a) 12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	Sqm	190.00	850.00	161500.00

विश्व सुखकर्ता

Item No.	Description	Units	Qty	Rate	Amount
70.00	Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring T with : a) GI Metal Ceiling Clip in plain Beveled edge global white colour tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/ sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation.	Sqm	610.00	1450.00	884500.00
71.00	Providing and fixing to the inlet mouth of rain water pipe PTMT (an Engineering Thermoplastic) grating square (Slit) 150 mm square with a height of 8 mm and weighing not less than 100 gms.	Each	50.00	55.00	2750.00
72.00	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	410.00	600.00	246000.00
73.00	Providing and fixing precoated galvanised steel sheet roofing accessories of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : a) Ridges plain (500 - 600mm)	Metre	20.00	345.00	6900.00
74.00	Providing and fixing precoated galvanised steel sheet roofing accessories of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : a) Gutter (600 mm over all girth)	Metre	40.00	855.00	34200.00

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Item No.	Description	Units	Qty	Rate	Amount
75.00	Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main "T" runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main "T" at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to form grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle pre-coated steel of size(24x24x3000 mm made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre with 25 mm long dry wall screws @ 230 mm interval and laying 15 mm thick densified edges calicum silicate ceiling tiles of approved texture in the grid, including, cutting/ making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required. Main "T" runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I. adjustable rods with galvanised steel level clips of size 85 x 30 x 0.8 mm, spaced at 1200 mm centre to centre along main "T", bottom exposed with 24 mm of all Tsections shall be pre-painted with polyester baked paint, for all heights, as per specifications, drawings and as directed by Engineer-in-Charge.	Sqm	110.00	1450.00	159500.00
76.00	12 mm cement plaster of mix : a) 1:6 (1 cement: 6 fine sand)	Sqm	2200.00	200.00	440000.00
77.00	15 mm cement plaster on the rough side of single or half brick wall of mix : a) 1:6 (1 cement: 6 fine sand)	Sqm	1800.00	230.00	414000.00
78.00	6 mm cement plaster of mix : a) 1:3 (1 cement : 3 fine sand)	Sqm	2200.00	185.00	407000.00
79.00	Extra over plaster for Reinforcing joints of Brickwork and RCC member upto 0.3m width over joints for all height , with rabbit wire mesh fixed with wire nails. a) Flat surfaces	Sqm	1300.00	150.00	195000.00
80.00	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: a) New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	Sqm	3200.00	70.00	224000.00
81.00	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. a) On steel work	Sqm	1200.00	150.00	180000.00
82.00	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. a) Two coats	Sqm	3900.00	50.00	195000.00
83.00	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : a) Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	Sqm	500.00	68.00	34000.00

बिना कुशल नमस्कार

Item No.	Description	Units	Qty	Rate	Amount
84.00	Washed stone grit plaster on exterior walls height upto 10 metre above ground level, in two layers, under layer 12 mm cement plaster 1:4 (1cement : 4 coarse sand), furrowing the under layer with scratching tool,applying cement slurry on the under layer @ 2 Kg of cement per square metre, top layer 15 mm cement plaster 1:1/ 2:2 (1 cement: 1/2 coarse sand : 2 stone chipping 10 mm nominal size), in panels with groove all around as per approved pattern, including scrubbing and washing the top layer with brushes and water to expose the stone chippings ,complete as per specification and direction of Engineer-in-charge (payment for providing grooves shall be made separately).	Sqm	1810.00	380.00	687800.00
85.00	Extra for washed grit plaster on exterior walls of height more than 10 m from ground level for every additional height of 3 m or part thereof.	Sqm	700.00	60.00	42000.00
86.00	Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens, nailed to the under layer, including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specifications and direction of the Engineer-in-charge : a) 15 mm wide and 15 mm deep groove	Metre	2900.00	45.00	130500.00
87.00	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	3900.00	55.00	214500.00
88.00	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. a) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	5.00	698.00	3490.00
89.00	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 50 mm 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. a) 80 mm thick C.C. paver block of M-35 grade with approved color design and pattern.	Sqm	500.00	880.00	440000.00
90.00	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: a) White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	3.00	4500.00	13500.00
91.00	Providing and fixing white vitreous china extended wall mounting water closet of size 730x380x650 mm of make Jaquar "FLS-WHT-5353PPZ" or ROCA "RS346307460, RS341307000, RE80P397001" or equivalent make & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres) of make Jaquar, including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	Each	16.00	10000.00	160000.00
92.00	Providing and fixing in position starwhite vitreous chinaware Urinal, of Jaquar Cat. no "URS-WHT-13261" or ROCA "RS359451460" or equivalent make with C.P. brass flush pile spreads, domed waste coupler and auto closing concealed urinal flush valve (reference Cat No.PRS-077 of Jaquar or ROCA "G2007A1" or equivalent make) etc. including other accessories complete in all respect as per manufacturer's specifications and satisfaction of Engineer In-charge including cutting and making good the walls and floor where ever required.	Each	4.00	3900.00	15600.00

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Item No.	Description	Units	Qty	Rate	Amount
93.00	Providing & fixing of white vitreous china below counter oval wash basin (Jaquar cat no. FLS-WHT-5701 (550x425x195 mm) or ROCA "RS327871461" or equivalent make), Pillar Cock auto closing System (Ref CAT No. PRS-CHR-031L65 Pillar Cock Jaquar or ROCA "RT5A4277C00" or equivalent make) and Bottle trap (Ref. CAT No. ALD-769L300x190 Jaquar or ROCA "RF9066A1" or equivalent make) Size - 300x190, Waste Coupl. 32mm full thread Jaquar make CAT no. - ALD-705L130 or ROCA "RF5054017A1" or equivalent make), wall flanges and rubber adapters for waste connection complete including CI/MS brackets duly painted, nuts, washers, cutting and making good the walls floors wherever required as per direction of Engineer-in-Charge.	Each	19.00	6000.00	114000.00
94.00	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : a) Kitchen sink with drain board 510x1040 mm bowl depth 250 mm	Each	5.00	9000.00	45000.00
95.00	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. i) Semi rigid pipe a) 40 mm dia	Each	28.00	90.00	2520.00
96.00	Providing and fixing in position 25 mm diameter mosquito proof coupling of approved municipal design.	Each	5.00	50.00	250.00
97.00	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Each	19.00	1200.00	22800.00
98.00	Providing and fixing toilet paper holder : a) C.P. brass	Each	16.00	700.00	11200.00
99.00	Providing and fixing stainless steel grating along with PVC nahani trap etc. as per direction & satisfaction of Engineer-in-Charge. a) 100mm dia	Each	18.00	120.00	2160.00
100.00	Providing and fixing Liquid Soap Container or Jaquar "Push Button Soap Dispensers, Capacity :0.8L, of make Jaquar "SIDR-WHT-DJ0010FN" or ROCA "RA816070105" or equivalent make with SS Screws including making good the wall wherever required complete as directed by the Engineer-in-charge.	Each	19.00	1000.00	19000.00
101.00	Providing and fixing Stainless Steel towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings. a) 600 mm long towel rail with total length of 645 mm.	Each	11.00	1000.00	11000.00
102.00	Providing and fixing Health faucet of make or Jaquar "Allied" cat no:573 or ROCA "RF9060A1" or equivalent make with 1 metre long Flexible Tube and CP wall hook with PVC & SS Screws including cutting and making good the wall wherever required complete as directed by the Engineer-in-charge.	Each	16.00	1500.00	24000.00
103.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and 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. a) 15 mm nominal outer dia Pipes	Metre	160.00	160.00	25600.00

(Signature)

Item No.	Description	Units	Qty	Rate	Amount
104.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and 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. h) 20 mm nominal outer dia Pipes	Metre	130.00	180.00	23400.00
105.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Exposed on wall a) 32 mm nominal dia Pipes	Metre	100.00	310.00	31000.00
106.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Exposed on wall a) 40 mm nominal dia Pipes	Metre	110.00	410.00	45100.00
107.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Exposed on wall a) 50 mm nominal dia Pipes	Metre	70.00	630.00	44100.00
108.00	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 a) 80 mm nominal dia Pipes	Metre	80.00	1475.00	118000.00
109.00	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 d) 65 mm nominal outer dia Pipes	Metre	80.00	1150.00	92000.00
110.00	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : a) 80 mm nominal bore	Each	1.00	1935.00	1935.00
111.00	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : a) 65 mm nominal bore	Each	2.00	1300.00	2600.00
112.00	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : a) 50 mm nominal bore	Each	10.00	770.00	7700.00
113.00	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : a) 32 mm nominal bore	Each	20.00	510.00	10200.00

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Item No.	Description	Units	Qty	Rate	Amount
114.00	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	per litre	10000.00	7.80	78000.00
115.00	Providing and fixing CP Brass bib cock make Jaquar "VGP 81037" or ROCA "RT5A7990CA1" or equivalent make wherever required complete as directed by the Engineer-in-charge. a) 15 mm nominal bore	Each	27.00	1800.00	48600.00
116.00	Providing and fixing CP Brass angle Valve of make Jaquar "VGP 81053" or ROCA "RT5A8090CA1" or equivalent make wherever required complete as directed by the Engineer-in-charge. a) 15 mm nominal bore	Each	31.00	950.00	29450.00
117.00	Providing and fixing Soap Dish Holder or Jaquar "ACN-CHR-1131N" or ROCA "RA816683001" or equivalent make with SS Screws including making good the wall wherever required complete as directed by the Engineer-in-charge.	Each	11.00	650.00	7150.00
118.00	Providing and fixing CP Brass 3 in 1 wall mixer of make Jaquar "FLR-5281N" or ROCA "T2317A1" or equivalent make wherever required complete as directed by the Engineer-in-charge. a) 15 mm nominal dia	Each	11.00	6200.00	68200.00
119.00	Providing and fixing Shower Rose of make Jaquar "OHS-CHR-1989" or ROCA "RT18700A1" or equivalent make along with shower arm of make Jaquar "SHA-CHR-477" wherever required complete as directed by the Engineer-in-charge. a) 15 mm nominal dia	Each	11.00	1700.00	18700.00
120.00	Providing and fixing HandShower of make Jaquar "HSH-CHR-1937" or ROCA "RF5B9047C00" or equivalent make along with flexible PVC tube 1.5m long and 8mm diameter with CP coating of make Jaquar "SHA-CHR-549D8" or ROCA "RF5B2115C00" or equivalent make and wall bracket of make Jaquar "SHA 555" or ROCA "RF526704010" or equivalent make wherever required complete as directed by the Engineer-in-charge. a) 15 mm nominal dia	Each	11.00	1700.00	18700.00
121.00	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: i) 150 x 100 mm size P type a) With common burnt clay F.P.S. (non modular) bricks of class designation Z.5	Each	10.00	1500.00	15000.00
122.00	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : i) Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : a) With common burnt clay F.P.S. (non modular) bricks of class designation Z.5	Each	5.00	7800.00	39000.00

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Item No.	Description	Units	Qty	Rate	Amount
123.00	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : i) Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) : a) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	10.00	15500.00	155000.00
124.00	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. a) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	1.00	17000.00	17000.00
125.00	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 : a) 300 mm dia. R.C.C. pipe	Metre	460.00	450.00	207000.00
126.00	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design : a) 300 mm diameter S.W. pipe	Metre	340.00	570.00	193800.00
127.00	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 / panelling, 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) : i) For fixed portion a) Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	2600.00	380.00	988000.00
128.00	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 / panelling, 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) : i) 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) a) Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	1710.00	380.00	649800.00

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Item No.	Description	Units	Qty	Rate	Amount
129.00	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): a) With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm)	Sqm	60.00	780.00	46800.00
130.00	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer in-charge. a) With stainless steel cover plate minimum 1.25 mm thickness	Each	4.00	1990.00	7960.00
131.00	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. a) Upto 5 mm depth and 5 mm width	Metre	280.00	60.00	16800.00
132.00	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double acting hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc. to be paid separately).	Sqm	10.00	3300.00	33000.00
133.00	Providing and fixing Assa Abloy YEH-01A /DORMA pull Handle TGD1-H 600 back to back (in pair) with 500mm CTC, adjustable fixing for glass, wood and metal doors in satin stainless steel. The pull handles should have supporting washer with raised bevelling on the outer surface. Length 600mm, 32mm dia, -SS304 etc. complete as per direction of Engineer-in-Charge.	Each pair	4.00	500.00	2000.00
134.00	Providing and fixing Glass Door Lock with Strike Box of Ozone OPL-4A/4B-N-STD-SSS make or equivalent make, Operates with key on one side other side blind, with cover made of SS Grade 304 with Aluminum Alloy as Base Material Casting and SSS Finish adjustable fixing for glass, wood and metal doors complete as per direction of Engineer-in-Charge.	Each	2.00	2500.00	5000.00
135.00	Providing and submitting the preliminary drawing, carrying out structural design, preparation of detailed structural drawing and developing working architectural drawing. The structural design shall be done by consultant based on soil investigation report provided by AAI. The structural design and drawings shall be got vetted by Govt. Engineering College. The design and drawing so submitted shall be got approved by Engineer in charge before execution of work. After approval of structural design and drawing by AAI 3 (Three) sets of good for construction" design and drawing showing all relevant details shall be submitted duly signed by the consultant. Consultant shall also submit any other details relevant to the scope and completion of work	Job	1.00	115670.00	115670.00

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Item No.	Description	Units	Qty	Rate	Amount
136.00	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of: (i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS : 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. (ii) IInd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. (iii) IIIrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area. (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).	Sqm	90.00	470.00	42300.00
137.00	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. "All above operations to be done in order and as directed and specified by the Engineer-in-Charge":	Sqm	410.00	930.00	381300.00

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Item No.	Description	Units	Qty	Rate	Amount
138.00	Providing and supplying Spandrel Glass Panels comprising of 6 mm thick heat strengthened monolithic float glass of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade so as to match the colour and shade of the IGUs in the vision panels etc., all complete for the required performances as specified, as per the Architectural drawings, as per the approved shop drawings, as specified, and as directed by the Engineer- in- Charge. For payment, only the actual area of glass on face # 1 of the glass panels (but excluding the area of grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm. (Payment for fixing of Spandrel Glass Panels in the curtain glazing is included in cost of relevant Item*). "(i) Coloured tinted float glass 6 mm thick substrate with reflective soft coating on face # 2, having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25-0.28) and U value of 3.0 to 3.3 W/m2 K etc.The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.	Sqm	150.00	1550.00	232500.00
139.00	Providing and fixing of Rubber sheet flooring plain or design of required colour on a smooth and damp proof base using rubber adhesive of approved quality including pressing the sheets/tiles with a suitable tool and welding the joints with specialized manpower to get a smooth surface all complete as directed by Engineer-in-charge. a) 6.5mm thick	Sqm	110.00	1630.00	179300.00
140.00	Supplying and installation of vertical blinds as approved by EIC. The fabric should be polyester with both side acrylic coating and should be treated with dust repellent chemical.The size, color, shade and texture of the blind should be customized as per the direction of Engineer-in-charge. This rate is inclusive of all the supporting accessories like, head rail, control unit, carrier (Runner), spacer, installation bracket, bottom mechanism (weight and chain) etc all complete.	Sqm	20.00	1700.00	34000.00
141.00	Providing & Fixing of Sun Control film in windows upto 20 mtr height of approved make in required size and as per direction of Engineer-In-charge. Note: The fixing of membrane shall be got done through the authorised applicator of the manufacture of film.	Sqm	40.00	380.00	15200.00
142.00	Providing suitable new passenger AC vehicle of cylinder capacity minimum 1400 cc, either petrol or diesel driven including driver during the progress of work. The concerned Engineer-In Charge will be the controlling officer for movement of vehicle. The rate shall be inclusive of hire and running charges of vehicle including fuel, mobile oil, driver and repair & maintenance charges of the vehicle. Log book shall be maintained at the office of Engineer-In-Charge. The vehicle provided shall have commercial licence. The monthly hiring charges shall be based on vehicle running limit of 1200 km per month. Payment shall be made on pro-rata basis depending on actual mileage logged on monthly basis through RA bills. (Note: Rs. 3500/- per day shall be recovered from agency through RA bills on account of non providing /non availability /break down of the vehicle.)	Month	10.00	25000.00	250000.00

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Item No.	Description	Units	Qty	Rate	Amount
143.00	Supply, Installation, Testing & Commissioning of outdoor type cubical panel with suitable slope on top, double door front opening made out of 14 SWG CRCA sheet steel, Gland plate shall be 3mm thick, totally enclosed with IP 54 protection, dust and vermin proof, compartmentalized with powder coated painting on suitable cement concrete foundation made up of 1 : 2 : 4 (1 Cement: 2 Coarse Sand : 4 Grade Stone aggregate 20 mm nominal size) including wiring, inter connections, earthing etc. as required and shall consist of the following switchgear and accessories:- Incomer: 1 Nos. 160 A, 25 kA, FP, MCCB, 1cs-100% Icu, Thermal Magnetic release variable range, with extended rotary handle and all accessories including providing spreader terminals and auxiliary contacts. Instruments: 1 sets of digital multifunction meter for 3 phase, 4 wire operation alongwith 3 Nos. suitable range CTs and control MCB's. 3 Ph phase indicating lamps of LED type for RYB and breaker 'ON', 'OFF' indication with control MCB for individual lamp. Bus Bar: 1 set of 200 Amps FP bus bar of high conductivity electrolytic quality aluminium alloy. Outgoings: (i) 02 Nos. FP MCCB 63 Amps, directly connected to bus bar in separate compartment. (ii) 06 Nos. FP MCCB 40 Amps, directly connected to bus bar in separate compartment. (ii) 1 No. Contactor timer arrangement consisting of 25 A 4 pole contactor, 24 Hrs. Electro mechanical time switch and 32 Amps FP MCB i/c providing 3 point toggle switch on the compartment door and 2 Nos. ON/OFF LED Indication Lamps with control MCB for individual lamp.	Job	1.00	80000.00	80000.00
144.00	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 B	Each	318.00	660.00	209880.00
145.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Meter	4522.00	185.00	836570.00
146.00	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed Steel conduit alongwith 2 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Meter	130.00	290.00	37700.00
147.00	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed Steel conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Meter	240.00	180.00	43200.00
148.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 5 pin 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required. 4 Module (13.56x7.6) cm / (5X3)	Each	61.00	320.00	19520.00
149.00	Supplying and fixing suitable size GI Modular box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 modular socket outlet and 5/6 A modular switch, connections etc. as required	Each	84.00	260.00	21840.00
150.00	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) a) 4 way (4 + 12), Double door	Each	3.00	2250.00	6750.00

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Item No.	Description	Units	Qty	Rate	Amount
151.00	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) b) 6 way (4 + 18), Double door	Each	6.00	2730.00	16380.00
152.00	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.) a) 8 way (4 + 24), Double door	Each	1.00	3280.99	3280.99
153.00	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 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. (L&T or equivalent)	Each	163.00	180.00	29340.00
154.00	Supplying and fixing 63A rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. (L&T or equivalent)	Each	10.00	565.00	5650.00
155.00	Supplying and fixing 63A rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 300 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63 A (L&T or equivalent)	Each	10.00	1580.00	15800.00
156.00	Supplying and fixing 32A rating, 3 pole, 415 volts, MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required. (L&T or equivalent)	Each	4.00	1250.00	5000.00
157.00	Supply of 3C X 300Sqmm 33/33KV (UE) stannded round compacted Al conductor, Inner & Outer Semicon With XLPE Insulation, Copper Tape Screen, Laid-Up wit PVC Filter, Extruded ST2 PVC I/SH, Single Layer GS Flat Strip Armourd And Extruded ST2 PVC outer Seathed Three Core cable GEN as per IS 7098 Part-2 etc. completed as required.	Meter	300.00	3050.00	915000.00
158.00	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for following size of 3 core, XLPE aluminium conductor cable of 33 KV grade as required : a) 3C X 300Sqmm 33/33KV (UE)	Each	2.00	65000.00	130000.00
159.00	Laying of one number XLPE power cable of 33 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. a) Above 120 sq. mm and upto 400 sq. mm	Meter	290.00	300.00	87000.00
160.00	Supplying and fixing HT cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	Each	5.00	200.00	1000.00
161.00	Supply of following sizes Aluminium Armoured conductor XLPE insulated, PVC tape inner sheathed Cable for working voltage 1.1 KV grade & as per IS: 7098 (Part- I) 1988 with up to date ammendments, complete etc as required. a) 4C X 16 sq. mm	Meter	1120.00	185.00	207200.00
162.00	Supply of following sizes Aluminium Armoured conductor XLPE insulated, PVC tape inner sheathed Cable for working voltage 1.1 KV grade & as per IS: 7098 (Part- I) 1988 with up to date ammendments, complete etc as required. b) 4C X 35 sq. mm	Meter	100.00	230.00	23000.00
163.00	Supply of following sizes Aluminium Armoured conductor XLPE insulated, PVC tape inner sheathed Cable for working voltage 1.1 KV grade & as per IS: 7098 (Part- I) 1988 with up to date ammendments, complete etc as required. c) 4C X 50 sq. mm	Meter	400.00	260.00	104000.00

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Item No.	Description	Units	Qty	Rate	Amount
164.00	Supply and Laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc. , complete as required. a) 63 mm dia (OD-63 mm & ID-51 mm nominal)	Meter	380.00	85.00	32300.00
165.00	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. Upto 35 sq. mm (clamped with 1mm thick saddle) a) upto 35 sq. mm	Meter	1120.00	35.00	39200.00
166.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing DWC HDPE/HDPE/RCC/ HUME/ METAL pipe as required. a) Above 35 sq. mm and upto 95 sq. mm	Meter	380.00	80.00	30400.00
167.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required. a) upto 35 sq. mm	Meter	50.00	20.00	1000.00
168.00	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. a) 4 X 16 sq. mm (28mm)	Each	18.00	175.00	3150.00
169.00	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. b) 4 X 35 sq. mm (32mm)	Each	2.00	220.00	440.00
170.00	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. c) 4 X 50 sq. mm (35mm)	Each	4.00	250.00	1000.00
171.00	Supply of Heavy Duty BLDC Air Circulator Fan 600mm sweep(24inch),speed 1350RPM(min), Wall mounting type should have Vertical adjustment of 22 Degree to 45 Degree, suitable to work on 230V,50 Hz, AC Supply. Air delivery minimum of 560 +/- 5% cubic meter per minute etc. Completed as Required (Make:- Bajaj or equivalent)	Each	10.00	5900.00	59000.00
172.00	Supply of 10 ltr. BEE 5 star rating (Energy efficient) Electric Geyser with provision of Multi-function safety valve and inlet / outlet water supply pipe.etc. completed as required.(Make:-Havells GHWAMJSIB010 or equivalent)	Each	11.00	5900.00	64900.00
173.00	Supply of LED recessed ceiling light- 6 W, Color temp.-6000 K, Type of fixture-Circular, material-Al, Mounting type-Surface, Diffuser Material-Poly Carbonate, IP-20, All fasteners must be of nickel/chrome plated, System lumen output->1800 lumens, Rated Voltage: 230V, surge Voltage withstand:2.5 KV, Lamp efficacy>=100 (lm/w) LED chip, and CRI>=80, Beam angle-more than 120, Working life for LED-50000 hour etc. completed as required.	Each	33.00	400.00	13200.00
174.00	Supply of LED recessed ceiling light- 18 W, Color temp.-6000 K, Type of fixture-Circular, material-Al, Mounting type-Surface, Diffuser Material-Poly Carbonate, IP-20, All fasteners must be of nickel/chrome plated, System lumen output->1800 lumens, Rated Voltage: 230V, surge Voltage withstand:2.5 KV, Lamp efficacy>= 100 (lm/w) LED chip, and CRI>=80, Beam angle-more than 120, Working life for LED-50000 hour etc. completed as required.	Each	44.00	880.00	38720.00

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Item No.	Description	Units	Qty	Rate	Amount
175.00	Supply of LED surface ceiling light- 6 W, Color temp.-6500 K, Type of fixture-Circular, material-Al, Mounting type-Surface, Diffuser Material-Poly Carbonate, IP-20, All fasteners must be of nickel/chrome plated, System lumen output->1800 lumens, Rated Voltage: 230V, surge Voltage withstand:2.5 KV, Lamp efficacy>=100 (lm/w) LED chip, and CRI>=80, Beam angle-more than 120, Working life for LED-50000 hour etc. completed as required.	Each	24.00	530.00	12720.00
176.00	Supply of LED surface ceiling light- 18 W, Color temp.-6500 K, Type of fixture-Circular, material-Al, Mounting type-Surface, Diffuser Material-Poly Carbonate, IP-20, All fasteners must be of nickel/chrome plated, System lumen output->1800 lumens, Rated Voltage: 230V, surge Voltage withstand:2.5 KV, Lamp efficacy>= 100 (lm/w) LED chip, and CRI>= 80, Beam angle-more than 120, Working life for LED-50000 hour etc. completed as required.	Each	94.00	990.00	93060.00
177.00	Supply of LED surface ceiling light- 24 W, Color temp.-6500 K, Type of fixture-Circular, material-Al, Mounting type-Surface, Diffuser Material-Poly Carbonate, IP-20, All fasteners must be of nickel/chrome plated, System lumen output->1800 lumens, Rated Voltage: 230V, surge Voltage withstand:2.5 KV, Lamp efficacy>=100 (lm/w) LED chip, and CRI>=80, Beam angle-more than 120, Working life for LED-50000 hour etc. completed as required.	Each	15.00	1450.00	21750.00
178.00	100W (Minimum) LED Highbay light luminaire producing minimum 9000 Lumens with CCT : 6500K having suitable optics to give beam angle 110 degree , Pressure die cast aluminium Housing and having toughended glass with IK07 and protection of IP66 complete assembly.	Each	17.00	4280.00	72760.00
179.00	Supply of following extruded aluminum body LED Tube Light baton Fixture (T8/T5) Complete with all accessories etc. as required suitable for surface mounting indoor applications, operating on 160-270 volts & 50Hz, CRI : 80; IP 20 (minimum) for complete fixture, CCT 4000 K /6500 K with integrated driver which shall be with THD less than 20 % & Constant Current Constant Voltage (CCCV) and power factor greater than 0.90 as per technical specifications. a) 4 Feet , 20W (maximum system wattage) tube light minimum 50% aluminium housing for better heat dissipation and lighting system lumens output of minimum 1200 lumens. LHEXACP5IN1W010	Each	23.00	300.00	6900.00
180.00	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FRILS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	250.00	75.00	18750.00
181.00	Supply of 1400 mm sweep, 5 star electrical ceiling fan with electronic step regulator complete with down rod, canopies, ball bearing, motor, blades, capacitor etc. and suitable for use on 230 volts, 50 Hz, single phase, A.C. supply as required.	Each	31.00	2400.00	74400.00
182.00	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRILS PVC insulated, copper conductor, single core cable etc. as required.	Each	31.00	60.00	1860.00
183.00	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	31.00	200.00	6200.00
184.00	Supply of 300 mm sweep, Exhaust Fan complete with ball bearing, motor, blades, etc. and suitable for use on 230 volts, 50 Hz, single phase, A.C. supply as required.	Each	23.00	1350.00	31050.00
185.00	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	Each	11.00	65.00	715.00
186.00	Supplying and fixing Bed Side Table Lamp suitable for single phase, 230 V, complete as required.	Each	11.00	1550.00	17050.00
187.00	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. Upto 450 mm sweep	Each	23.00	60.00	1380.00

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Item No.	Description	Units	Qty	Rate	Amount
188.00	Supply and Fixing of matt finish, 304 grade stainless steel automatic, touch free infrared type wall mounting hand dryer suitable for 230V, 50Hz 1PH supply as required.	Each	12.00	2530.00	30360.00
189.00	SITC of Portable Water cooler of capacity 40/80 litre with inbuilt Water Purification system having stainless steel body suitable for operation on 230V single Phase AC supply complete as required.	Each	3.00	36000.00	108000.00
190.00	Supply, Installation, testing and commissioning of 4 TR capacity Floor standing type Air Conditioning Unit with remote operation having air cooled condensor, remote operation, compressor operating on refrigerant R-32/R-410a, suitable for 415 V, 50Hz, A.C supply etc. including installing the outdoor unit at a suitable location by providing wall mounting brackets/PCC foundation for outdoor unit etc. complete as required.	Job	4.00	142000.00	568000.00
191.00	Supply, Installation, testing and Commissioning of 1.5 TR 5 Star, Air-conditioner with remote operation having air cooled condensor, remote operation, compressor operating on refrigerant R-32/R-410a, suitable for 230 V, 50Hz, A.C supply etc. including installing the outdoor unit at a suitable location by providing wall mounting brackets/PCC foundation for outdoor unit etc. complete as required.	Job	11.00	41000.00	451000.00
192.00	Providing & fixing of Copper Refrigerant piping, Control Cable suitable for R-32/R-410a (Supply and return) refrigerant with insulation tubing as per the manufacturer's standard size suitable for following Split type air conditioners complete as required. (Measurement of 1 running mtr. shall include both supply & return Cu. Piping with insulation beyond length supplied by OEM with AC unit). a) 1.5 TR, Hi Wall Split AC, 230 V, 50Hz, 1 Ph AC supply	Meter	55.00	1330.00	73150.00
193.00	Providing & fixing of Copper Refrigerant piping, Control Cable suitable for R-32/R-410a (Supply and return) refrigerant with insulation tubing as per the manufacturer's standard size suitable for following Split type air conditioners complete as required. (Measurement of 1 running mtr. shall include both supply & return Cu. Piping with insulation beyond length supplied by OEM with AC unit). b) 4 TR, Floor Standing AC, 415 V, 50Hz, 3 Ph AC supply	Meter	60.00	1620.00	97200.00
194.00	Supplying and laying of size 20mm dia rigid PVC pipe as drain pipe including all accessories such as bends, elbows, flexible connections etc. as required.	Meter	60.00	290.00	17400.00
195.00	Supplying and drawing 1.1 KV grade, 3 core 2.5 sq mm, FRLSH, PVC insulated, PVC sheathed flexible copper conductor round cable confirming to IS 694 in the existing surface/ recessed steel/ PVC conduit as required. (for cassette AC units, from outdoor unit to indoor)	Meter	115.00	205.00	23575.00
196.00	Supplying and drawing 1.1 KV grade, 4 core 4 sq mm, FRLSH, PVC insulated, PVC sheathed flexible copper conductor round cable confirming to IS 694 in the existing surface/ recessed steel/ PVC conduit as required. (for cassette AC units, from outdoor unit to indoor)	Meter	60.00	300.00	18000.00
197.00	Supplying and fixing 30 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 30 A "C" curve, TPNMCB, 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	4.00	700.00	2800.00
198.00	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, metal enclosed plug top 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	11.00	500.00	5500.00
199.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 20A Motor Starter type switch, connection etc. as required. 2 Module (7.6x7.6) cm / (3X3) (Model :- Havells AHCSMXW201 or equivalent)	Each	11.00	450.00	4950.00

विद्युत इंजीनियरिंग प्रमाण

Item No.	Description	Units	Qty	Rate	Amount
200.00	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, Copper tube, having single prong at top, with 85 mm dia 6 mm thick Copper base plate including holes etc. complete as required.	Each	2.00	1085.00	2170.00
201.00	Earthing with copper earth plate 600 mm X 600 mm X 3 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.	Set	2.00	8450.00	16900.00
202.00	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	Meter	12.00	950.00	11400.00
203.00	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	Meter	50.00	690.00	34500.00
204.00	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (with charcoal/ coke and salt) as required.	Each	2.00	4300.00	8600.00
205.00	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.L. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required	Meter	12.00	165.00	1980.00
206.00	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/recessed conduit/submain wiring/ cable as required.	Meter	2440.00	40.00	97600.00
207.00	SITC of 4.5kg ABC dry type automatic fire extinguisher with sprinkler head for spot type protection i/c mounting accessories etc complete as required.	Each	9.00	2500.00	22500.00
208.00	Supply of 225L refrigerator BEE 5 star rating suitable for operation on 230V single Phase AC supply complete as required.	Each	1.00	21000.00	21000.00
				Total	42183759.99

किम दुर्गा नाथ
 23.12.2024
 उप महाप्रबंधक (अभि.-सिविल)
 Dy. Genl. Manager (Engg.-Civil)
 भारतीय विमानपत्तन प्राधिकरण
 Airports Authority of India
 स्वामी विवेकानंद हवाई अड्डा, रायपुर
 Swami Vivekananda Airport, Raipur

FORM III

[Under rule 21(2) of the Contract Labour (Regulation and Abolition) Central Rules, 1971; and rule 7(3) of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Central Rules, 1980]

From of Certificated by Principal Employer

Certified that:

1. I have engaged the applicant **M/s Goel and Associates** as a contractor in my establishment for the work **"Construction of Community Center at S.V. Airport, Raipur."** to be carried out from 02.01.2025 to 01.11.2025.
2. I undertake to be bound by all the provisions of the Contract Labour (Regulation and Abolition) Act, 1970 (37 of 1970) and the Contract Labour (Regulation and Abolition) Central Rules, 1971 ~~the Inter-State Migrant Workmen (regulation of Employment and Conditions of Service) Act, 1979 (30 of 1979) and the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Central Rules, 1980~~ in so far as the Provisions are applicable to me in respect of the employment of contract labour/inter-state migrant workmen by the applicant in my establishment.
3. The engagement of contract labour in the said work is not prohibited under sub section (1) of section 10 of the Contract Labour (Regulation and Abolition) Act, 1970 (37 of 1970) ~~or an award or a settlement.~~

Place: Raipur
Employer

Date: 23.12.2024

Signature of Principal

(Vinay Kumar Tamrakar)

Deputy General Manager (Engg-Civil)
AAI, S. V. Airport, Raipur

Signature Not Verified

Digitally signed by VIVEK
CHANDRAWANSHI
Date: 2025.04.30 13:03:21 IST
Location: eProcurement System for Central
PSUs