



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

Ref. No. AAI/VNS/ENGG/MSSR/W-59/546-60/1357-7)

Date: 16.06.2021
Speed Post /By hand

सेवा में,

M/s Minocha Construction Company,
#4, First Floor, Ikon Tower,
Hari Nagar, Shamshabad Road,
Agra (UP)-282001

विषय : Construction of ASR/MSSR Building at LBSI Airport, Varanasi (Tender ID : 2021_AAI_71115_1)

संदर्भ : ई-निविदा खुलने की तिथि : 16.04.2021

प्रिय महोदय/Dear Sir,

- 1) उपरोक्त कार्य की, कुल निविदा रकम रुपया 4,66,30,535.00 (रुपया चार करोड़ छायछठ लाख तीस हजार पाँच सौ पैतीस मात्र) की मद दर निविदा, जो कि कार्य की अनुमानित लागत रुपया 606.39 लाख से 23.10: (तेईस दशमलव एक शून्य प्रतिशत) कम है, आपके द्वारा निविदा प्रपत्र की अनुसूची 'अ' में दर्शायी गयी मद दरों पर भरी गई है, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत की जाती है।

Your tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India at the item rate tender amount Rs 4,66,30,535.00 (Rupees Four Crore Sixty Six Lakhs Thirty Thousand Five Hundred Thirty Five only) which is 23.10 (Twenty Three point One Zero percent) below to the estimated cost put to tender Rs. 606.39 lakhs.

- 2) उप महाप्रबन्धक (अभि०-विद्युत), भा.वि.प्रा., लाल बहादुर शास्त्री अन्तर्राष्ट्रीय विमानपत्तन, वाराणसी इस कार्य के कार्य प्रभारी अभियन्ता होंगे तथा स०म०प्र० एवं प्रबन्धक (अभि०-सि०), भा.वि.प्रा., लाल बहादुर शास्त्री अन्तर्राष्ट्रीय विमानपत्तन, वाराणसी उनके प्राधिकृत प्रतिनिधि होंगे। आपसे अनुरोध है कि दिनांक 26.06.2021 तक उप महाप्रबन्धक (अभि०-विद्युत) के कार्यालय में उपस्थित होकर संविदा अनुबन्ध को हस्ताक्षरित कर पूर्ण करें। अनुबन्ध 100/- रुपए के गैर न्यायिक स्टाम्प पेपर पर सम्पादित किया जाएगा, स्टाम्प पेपर की कीमत आपके द्वारा वहन की जाएगी।

The DGM(Engg-Elect), AAI, Lal Bahadur Shastri International Airport, Varanasi shall be the Engineer-in-charge of the work and AGM/Manager (E-C), AAI, Lal Bahadur Shastri International Airport, Varanasi shall be our authorised representative. You are requested to attend the office of the DGM(Engg-Elect) by 26.06.2021 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs. 100/- and the cost of stamp paper shall be borne by you.

- 3) (I) कृपया प्रतिभूति निक्षेप राशि रुपया 23,31,527.00 (रुपया तेईस लाख इक्तीस हजार पाँच सौ सत्ताईस मात्र) इस पत्र के निर्गत दिनांक से दस दिनों के भीतर जमा करें अन्यथा उक्त धनराशि की कटौती संविदा प्रपत्र की उक्त संदर्भित शर्त के अनुसार चालू लेखा बिलों से की जाएगी।

(I) Please deposit Rs. 23,31,527.00 (Rupees Twenty Three Lakhs Thirty One Thousand Five Hundred Twenty Seven only), towards security deposit within 10 days from the date of issue of this letter, failing which the same will be deducted from the Running Account Bills as per condition referred above of the contract document.

(II) कृपया अनुसूची-ई/पृष्ठ संख्या जीसीसी-183 एवं अनुच्छेद संख्या-1/पृष्ठ संख्या जीसीसी-22 के शर्त के अनुसार एक परफार्मेंस गारेण्टी रु० 13,98,916.00 (तेरह लाख अठ्ठाव्वे हजार नौ सौ सोलह मात्र) का बैंक गारेण्टी के रूप में राष्ट्रीयकृत/अनुसूचित भारतीय बैंक, जो कि सहकारी या ग्रामीण बैंक से ना हो, को निविदा दस्तावेज में शामिल प्रोफार्मा अनुलग्नक-11 (पृष्ठ संख्या जीसीसी-158 से 160) के अनुसार कायदेशि प्राप्ति के 30 दिनों के अन्दर भाविप्रा को जमा करें।

शेष पृष्ठ 2 पर....

16/06/2021
DGM/ED

पृष्ठ - 2/3

(II) As per Schedule 'E'/GCC-183 and clause 1 of GCC-22 of tender document, please submit a performance Guarantee of Rs. 13,98,916.00 (Rupees Thirteen Lakhs Ninety Eight Thousand Nine Hundred Sixteen only) in the form of Bank Guarantee from any Nationalized/Scheduled Bank but not from any co-operative or Gramin Bank, in the proforma appended in the tender document at Annexure-XI (GCC page no. 158 to 160).

- 4) आपसे अनुरोध है कि संविदा श्रमिक प्रावधान (विनिमय एवं उन्मूलन) एक्ट 1970, श्रमिक प्रावधान (विनिमय एवं उन्मूलन)-केन्द्रीय नियम 1971, न्यूनतम मजदूरी अधिनियम एवं इस सम्बन्ध में केन्द्र/राज्य सरकार के नियमों का पालन करना सुनिश्चित करें।
You are requested to comply with the provisions of Contract Labour (Regulation & Abolition) Act of 1970 and Contract Labour (Regulation & Abolition) Central rules 1971 and Minimum Wages Act & Rules thereof Central and State Governments with upto date amendments.
- 5) आपको निर्देशित किया जाता है कि आप तुरन्त प्रभाव से प्रबन्धक (अभि०-सि०)-II, भा.वि. प्रा., लाल बहादुर शास्त्री अन्तर्राष्ट्रीय विमानपत्तन, वाराणसी से सम्पर्क करें जो आपको कार्यस्थल सौंपने की व्यवस्था करेंगे।
You are also directed to contact the Manager (E-C)-II, AAI, Lal Bahadur Shastri International Airport, Varanasi, immediately who will arrange to hand over the site to you.
- 6) कृपया ध्यान दें कि कार्य पूर्ण करने की अवधि 12(बारह) महीने हैं जो कि दिनांक 26.06.2021 से प्रभावी मानी जाएगी।
Please note that time allowed for carrying out the work shall be 12 (twelve) months and the same shall be reckoned from 26.06.2021
- 7) संविदा के सन्दर्भ में किसी भी प्रकार का पत्राचार सामान्यतः संयुक्त महाप्रबन्धक (अभि-सिविल), भा.वि.प्रा., लाल बहादुर शास्त्री अन्तर्राष्ट्रीय विमानपत्तन, वाराणसी-221006, को सम्बोधित करें।
Any further correspondence in connection with the contract should normally be addressed to the Jt. GM (Engg-Civil), AAI, Lal Bahadur Shastri International Airport, Varanasi-221006
- 8) कृपया इस पत्र की पावती भेजें एवं पत्र कि अनुलिपि जो कि संलग्न है को हस्ताक्षरित कर अधोहस्ताक्षरी को स्वीकृत चिन्ह के रूप में वापस करें।
Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as a token of acceptance.
- 9) विषयक कार्य से संबंधित अनुसूची-अ, (कुल पृष्ठ 21 (सिविल एवं विद्युत कार्य रु. 4,66,30,535.00) संलग्न है।
Schedule 'A' (total page 21) (Civil+Elect works Rs. 4,66,30,535.00) of the work is enclosed.
- उपरोक्त के हिन्दी पाठ में कोई अन्तर या द्विधार्थकता होने की स्थिति में अंग्रेजी पाठ मान्य होगा।
In case of difference or ambiguity in Hindi and English version, the English version will prevail.

धन्यवाद।

संलग्नक- यथोपरि एवं फार्म-5
Encl:- As above and Form-V

भवदीय
उ.म.प्र.(अभि.-वि०),
Dy. GM (Engg-Elect)
अध्यक्ष, भा०वि०प्रा० के लिए व उनकी तरफ से
For and on behalf of the Chairman, AAI
शेष पृष्ठ 3 पर.....



पृष्ठ - 3/3

प्रतिलिपि:

मूल प्रति पर नहीं (NOO)

A- External-

1. GM (Engg)-NR, AAI, Operational offices Gurgaon Raod, Rangpuri New Delhi-110037 :
For kind information.
2. Asstt. Labour Commissioner (C), 189-A/4, Alopri Bagh, Post- Daraganj, Allahabad : For
kind information.
3. Labour Enforcement Officer (C), 189-A/4, Alopri Bagh, Post- Daraganj, Allahabad : For
kind information (Form-VII Enclosed)

B- Internal-

- | | | |
|--------------------------------------|---|----------------------|
| 1. Airport Director | : | For kind information |
| 2. Jt.GM(CNS) | : | -do- |
| 3. Jt.GM(ATC) | : | -do- |
| 4. Jt.GM(Engg-Civil)/DGM(Engg-Elect) | : | -do- |
| 5. AGM(Security)/CSO | : | -do- |
| 6. AGM (Engg-Civil) | : | -do- |
| 7. AGM (Engg-Elect) | : | -do- |
| 8. In-Charge (Finance) | : | -do- |
| 9. Manager Engg(C)-II | : | For follow up action |
| 10. Work order file | : | |
| 11. Agreement | : | |

उ.म.प्र.(इंजि-वि०), 16/06/2011

पी.के. गर्ग

P.K. Garg

उप महाप्रबंधक अभियांत्रिकी (विद्युत)

Dy. General Manager Engg. (Elect.)

भा०वि०प्रा०ला०ब०शा० अन्तरराष्ट्रीय हवाई अड्डा, वाराणसी
A.A.I., L.B.S.I. International Airport, Varanasi

Validate

Print

Help

Item Rate BoQ

Tender Inviting Authority: Airports Authority of India

Name of Work: Construction of ASR/MSSR Building at LBSI Airport, Varanasi.

Contract No: 2020_AAI_71115_1

Name of the Bidder/ Bidding Firm / Company :	MINOCHA CONSTRUCTION COMPANY						
PRICE SCHEDULE							
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE (excluding GST) In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT in Words
1	2	3	4	5	7	8	10
1	Civil Works						
1.001	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. All kinds of soil	Item1	2131.00	Cum.	125.00	266375.00	INR Two Lakh Sixty Six Thousand Three Hundred & Seventy Five Only
1.002	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	Item2	80.00	Cum.	180.00	14400.00	INR Fourteen Thousand Four Hundred Only
1.003	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : All kinds of soil Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	Item3	400.00	Mtr.	250.00	100000.00	INR One Lakh Only
1.004	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.	Item4	1591.00	Cum.	60.00	95460.00	INR Ninety Five Thousand Four Hundred & Sixty Only
1.005	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. All kinds of soil	Item5	487.00	Cum.	75.00	36525.00	INR Thirty Six Thousand Five Hundred & Twenty Five Only
1.006	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Item6	188.00	Cum.	500.00	94000.00	INR Ninety Four Thousand Only
1.007	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) : 8 graded stone aggregate 40 mm nominal size)	Item7	599.00	Cum.	4900.00	2935100.00	INR Twenty Nine Lakh Thirty Five Thousand One Hundred Only
1.008	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing : 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Item8	35.00	Cum.	5500.00	192500.00	INR One Lakh Ninety Two Thousand Five Hundred Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE (excluding GST) In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT in Words
1.009	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 20mm nominal size).	Item9	55.00	Sqm.	350.00	19250.00	INR Nineteen Thousand Two Hundred & Fifty Only
1.010	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Foundations, footings, bases of columns, etc. for mass concrete	Item10	485.00	Sqm.	300.00	145500.00	INR One Lakh Forty Five Thousand Five Hundred Only
1.011	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Suspended floors, roofs, landings, balconies and access platform	Item11	966.00	Sqm.	425.00	410550.00	INR Four Lakh Ten Thousand Five Hundred & Fifty Only
1.012	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Lintels, beams, plinth beams, girders, bressumers and cantilevers	Item12	1715.00	Sqm.	425.00	728875.00	INR Seven Lakh Twenty Eight Thousand Eight Hundred & Seventy Five Only
1.013	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Columns, Pillars, Piers, Abutments, Posts and Struts	Item13	943.00	Sqm.	425.00	400775.00	INR Four Lakh Seven Hundred & Seventy Five Only
1.014	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Stairs, (excluding landings) except spiral-staircases	Item14	20.00	Sqm.	500.00	10000.00	INR Ten Thousand Only
1.015	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc., including cost of de-shuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured). Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)	Item15	962.00	Sqm.	200.00	192400.00	INR One Lakh Ninety Two Thousand Four Hundred Only
1.016	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more	Item16	49160.00	Kg.	62.00	3047920.00	INR Thirty Lakh Forty Seven Thousand Nine Hundred & Twenty Only
1.017	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more	Item17	38880.00	Kg.	62.00	2410560.00	INR Twenty Four Lakh Ten Thousand Five Hundred & Sixty Only
1.018	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. "Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level	Item18	410.00	Cum.	5900.00	2419000.00	INR Twenty Four Lakh Nineteen Thousand Only
1.019	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. "Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level	Item19	333.00	Cum.	6000.00	1998000.00	INR Nineteen Lakh Ninety Eight Thousand Only
1.020	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable /recoverable separately. Providing M-30 grade concrete instead of M-25 grade BMC/ RMC. (Note:- Cement content considered in M-30 is @ 340 kg/ cum)	Item20	620.00	Cum.	300.00	186000.00	INR One Lakh Eighty Six Thousand Only
1.021	Add for using extra cement in the items of design mix over and above the specified cement content therein.	Item21	124.00	Quintal	800.00	99200.00	INR Ninety Nine Thousand Two Hundred Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE (excluding GST) In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1.022	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	Item22	99.00	Cum	5700.00	564300.00	INR Five Lakh Sixty Four Thousand Three Hundred Only
1.023	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)	Item23	322.00	Cum	5800.00	1867600.00	INR Eighteen Lakh Sixty Seven Thousand Six Hundred Only
1.024	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement : 4 coarse sand)	Item24	115.00	Sqm.	560.00	64400.00	INR Sixty Four Thousand Four Hundred Only
1.025	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	Item25	115.00	Sqm	66.00	7590.00	INR Seven Thousand Five Hundred & Ninety Only
1.026	Providing and fixing fire resistant door frame of section 143 x 57 mm having built in rebate made out of 16 SWG G.I. sheet (zinc coating not less than 120 gm/sqm) duly filled with vermiculite based concrete mix, suitable for mounting 60 minutes fire rated door shutters. The frame is fitted with intumescent fire seal strip of size 10x4 mm (minimum) around the frame and fixing with dash fastener of approved size and make, including applying a coat of approved brand fire resistant primer etc. complete as per direction of Engineer-in-charge (Dash fastener to be paid for separately)	Item26	46.00	mtr	1200.00	55200.00	INR Fifty Five Thousand Two Hundred Only
1.027	Providing and fixing glazing in fire resistant door shutters, fixed panels, ventilators and partitions etc., with G.I. beading of appropriate size, made out of 20 SWG G.I. sheet (zinc coating not less than 120 gm/m ²), fire resistant sealant, including applying a coat of approved fire resistant primer on G.I. beading etc., complete all as per direction of Engineer-in-charge. With clear fire resistant glass panes 6mm thick of approved brand, having minimum 60 minutes fire resistance	Item27	20.00	Sqm.	25000.00	500000.00	INR Five Lakh Only
1.028	Providing and fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm (± 0.2 mm), made out of single piece extruded PVC profile, with mitred cut joints and joint with 2 nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15 mm & self driven self tapping screws, the vertical door profiles to be reinforced with 40x20 mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5 mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x100 mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge.	Item28	40.00	mtr	400.00	16000.00	INR Sixteen Thousand Only
1.029	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing. 30 mm thick pre laminated PVC door shutters	Item29	16.00	Sqm.	2200.00	35200.00	INR Thirty Five Thousand Two Hundred Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE (excluding GST) In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1.030	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 : 250x16 mm	Item30	38.00	Each	200.00	7600.00	INR Seven Thousand Six Hundred Only
1.031	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 : 250x10 mm	Item31	116.00	Each	100.00	11600.00	INR Eleven Thousand Six Hundred Only
1.032	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 : 125mm	Item32	36.00	Each	55.00	1980.00	INR One Thousand Nine Hundred & Eighty Only
1.033	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 : 100 mm	Item33	78.00	Each	55.00	4290.00	INR Four Thousand Two Hundred & Ninety Only
1.034	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. Twin rubber stopper	Item34	14.00	Each	55.00	770.00	INR Seven Hundred & Seventy Only
1.035	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.	Item35	1793.00	Kg	90.00	161370.00	INR One Lakh Sixty One Thousand Three Hundred & Seventy Only
1.036	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. Hot finished welded type tubes	Item36	4000.00	Kg	110.00	440000.00	INR Four Lakh Forty Thousand Only
1.037	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x90 mm M.S. laths with 0.90 mm thick top cover	Item37	60.00	sqm	2500.00	150000.00	INR One Lakh Fifty Thousand Only
1.038	Providing and fixing ball bearing for rolling shutters.	Item38	24.00	each	500.00	12000.00	INR Twelve Thousand Only
1.039	Extra for providing mechanical device chain and crank operation for operating rolling shutters. Exceeding 16.80 sqm in area	Item39	60.00	sqm	1000.00	60000.00	INR Sixty Thousand Only
1.040	Extra for providing grided rolling shutters manufactured out of 8 mm dia M.S. bar instead of laths as per design approved by Engineer-in-charge, (area of grill to be measured).	Item40	23.00	sqm	600.00	13800.00	INR Thirteen Thousand Eight Hundred Only
1.041	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	Item41	810.00	Kg.	90.00	72900.00	INR Seventy Two Thousand Nine Hundred Only
1.042	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	Item42	1120.00	Kg.	115.00	128800.00	INR One Lakh Twenty Eight Thousand Eight Hundred Only
1.043	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of M.S. tube approved steel primer.	Item43	375.00	Kg.	130.00	48750.00	INR Forty Eight Thousand Seven Hundred & Fifty Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE (excluding GST) In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1.044	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	Item44	450.00	Sqm	380.00	171000.00	INR One Lakh Seventy One Thousand Only
1.045	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) : 25 mm thick	Item45	320.00	Sqm	925.00	296000.00	INR Two Lakh Ninety Six Thousand Only
1.046	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.	Item46	120.00	Sqm	1050.00	126000.00	INR One Lakh Twenty Six Thousand Only
1.047	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Item47	87.00	Sqm.	850.00	73950.00	INR Seventy Three Thousand Nine Hundred & Fifty Only
1.048	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.	Item48	20.00	Sqm.	950.00	19000.00	INR Nineteen Thousand Only
1.049	Providing and laying Double charge 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 @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	Item49	360.00	Sqm.	1200.00	432000.00	INR Four Lakh Thirty Two Thousand Only
1.050	Providing and laying Double charge 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). Size of Tile 600x600 mm	Item50	25.00	Sqm.	1250.00	31250.00	INR Thirty One Thousand Two Hundred & Fifty Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE (excluding GST) In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1.051	Providing and fixing removable raised/false access flooring with system and its components of approved make for different plenum height with possible height adjustment upto 50 mm, comprising of modular load bearing floor panels supported on G.I. rectangular stinger frame work and G.I. Pedestal etc. all complete, as per the architectural drawings, as specified and as directed by Engineer-in-charge consisting of a) Providing at required spacing to form modular framework, pedestals made out of GI tube of thickness minimum 2 mm and 25 mm outer diameter, fully welded on to the G.I. Base plate of size 100mm x 100mm x 3mm at the bottom of the pedestal tube, G.I. pedestal head of size 75mmx75mmx3.5 mm welded with GI fully threaded stud 16mm outer diameter with two GI Check nuts screwed on the stud for level adjustment upto 50mm, locking and stabilizing the pedestal head in position at the required level. The pedestals shall be fixed to the subfloor (base) through base plate using epoxy based adhesive of approved make or the machine screw with rawl plug.b) Stringers system in all steel construction hot dipped galvanized of rectangular size 570x20x30x0.80mm thick having holes at both ends for securing the stringers on to the pedestal head using fully threaded screws ensuring maximum lateral stability in all directions, the grid formed by the pedestal and stringer assembly shall receive the floor panel, this system shall provide adequate solid, rigid support for access floor panel, the system shall provide a minimum clear uninterrupted clearance between the bottom of the floor for electrical conduits and wiring etc. all complete as per the architectural drawings, as specified and as directed by the Engineer-in-charge. c) Providing and fixing Access Floor panel of 800x800x32 mm medium grade Filled Steel anti static high pressure Lamination of 800H grade (FS800H). Access Floor panel shall be steel welded construction with an enclosed bottom pan with uniform pattern of 64 hemispherical cones. The top and bottom plates of Steel Gauges: top 0.6 mm and bottom 0.7 mm fused spot welded together (minimum 64 welds in each dome and 20 welds along each flange). The panel should be corrosion resistant epoxy coated for lifetime rust protection and cavity formed by the top and bottom plate is filled with Pyrogrip noncombustible Portland cementitious core mixed with lightweight foaming compound. The	Item51	130.00	Sqm	4500.00	585000.00	INR Five Lakh Eighty Five Thousand Only
1.052	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (I) Single socketed pipes. 110 mm diameter	Item52	80.00	Mtr.	225.00	18000.00	INR Eighteen Thousand Only
1.053	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. Bend 87.5° 110 mm bend	Item53	10.00	Each	100.00	1000.00	INR One Thousand Only
1.054	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Shoe (Plain) 110 mm Shoe	Item54	10.00	Each	100.00	1000.00	INR One Thousand Only
1.055	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. 110 mm	Item55	56.00	Each	250.00	14000.00	INR Fourteen Thousand Only
1.056	Providing and fixing to the Inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	Item56	10.00	Each	40.00	400.00	INR Four Hundred Only

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1.057	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 : 12.5 mm thick tapered edge gypsum fire resistant board conforming to IS: 2095- Part I	Item57	402.75	Sqm.	980.00	394695.00	INR Three Lakh Ninety Four Thousand Six Hundred & Ninety Five Only
1.058	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	Item58	1996.00	Sqm.	180.00	359280.00	INR Three Lakh Fifty Nine Thousand Two Hundred & Eighty Only
1.059	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand)	Item59	2040.00	Sqm.	200.00	408000.00	INR Four Lakh Eight Thousand Only
1.060	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	Item60	1026.00	Sqm.	200.00	205200.00	INR Two Lakh Five Thousand Two Hundred Only
1.061	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer	Item61	2230.00	Sqm.	100.00	223000.00	INR Two Lakh Twenty Three Thousand Only
1.062	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	Item62	2738.00	Sqm.	110.00	301180.00	INR Three Lakh One Thousand One Hundred & Eighty Only
1.063	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	Item63	326.00	Sqm.	90.00	29340.00	INR Twenty Nine Thousand Three Hundred & Forty Only
1.064	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.	Item64	3800.00	Sqm.	75.00	285000.00	INR Two Lakh Eighty Five Thousand Only

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1.065	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	Item65	300.00	mtr	200.00	60000.00	INR Sixty Thousand Only
1.066	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	Item66	2350.00	Sqm.	700.00	1645000.00	INR Sixteen Lakh Forty Five Thousand Only
1.067	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge)	Item67	25.00	cum	6800.00	170000.00	INR One Lakh Seventy Thousand Only
1.068	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 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 : W.C. pan with ISI marked white solid plastic seat and lid	Item68	3.00	each	5000.00	15000.00	INR Fifteen Thousand Only
1.069	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mmsizes respectively with automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps complete, including painting of fittings and cutting and making good the walls and floors wherever required : One urinal basin with 5 litre PVC automatic flushing cistern	Item69	3.00	each	4500.00	13500.00	INR Thirteen Thousand Five Hundred Only
1.070	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	Item70	3.00	each	3000.00	9000.00	INR Nine Thousand Only
1.071	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 32 mm dia	Item71	3.00	each	80.00	240.00	INR Two Hundred & Forty Only
1.072	Providing and fixing 100 mm sand cast Iron grating for gully trap.	Item72	15.00	each	35.00	525.00	INR Five Hundred & Twenty Five Only
1.073	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.	Item73	3.00	each	1150.00	3450.00	INR Three Thousand Four Hundred & Fifty Only
1.074	Providing and fixing toilet paper holder : C.P. brass	Item74	3.00	each	500.00	1500.00	INR One Thousand Five Hundred Only
1.075	Providing and fixing soil, waste and vent pipes : 100 mm dia Sand cast iron S&S pipe as per IS: 1729	Item75	50.00	mtr	1000.00	50000.00	INR Fifty Thousand Only
1.076	Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 (1 cement : 2 fine sand) in SCI/CI Pipes 100 mm pipes	Item76	25.00	each	125.00	3125.00	INR Three Thousand One Hundred & Twenty Five Only

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1.077	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 100 mm dia Sand cast iron S&S as per IS - 1729	Item77	10.00	each	400.00	4000.00	INR Four Thousand Only
1.078	Providing and fixing plain bend of required degree. 100 mm dia Sand cast iron S&S as per IS - 1729	Item78	10.00	each	400.00	4000.00	INR Four Thousand Only
1.079	Providing and fixing single equal plain junction of required degree 100x100x100 mm dia Sand cast iron S&S as per IS - 1729	Item79	5.00	each	500.00	2500.00	INR Two Thousand Five Hundred Only
1.080	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall 15 mm dia nominal bore	Item80	35.00	mtr	250.00	8750.00	INR Eight Thousand Seven Hundred & Fifty Only
1.081	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall 20 mm dia nominal bore	Item81	20.00	mtr	300.00	6000.00	INR Six Thousand Only
1.082	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall : 15 mm dia nominal bore	Item82	25.00	mtr	400.00	10000.00	INR Ten Thousand Only
1.083	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall : 20 mm dia nominal bore	Item83	25.00	mtr	425.00	10625.00	INR Ten Thousand Six Hundred & Twenty Five Only
1.084	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work 50 mm dia nominal bore	Item84	400.00	mtr	400.00	160000.00	INR One Lakh Sixty Thousand Only
1.085	Providing and fixing brass stop cock of approved quality : 15 mm nominal bore	Item85	5.00	each	250.00	1250.00	INR One Thousand Two Hundred & Fifty Only
1.086	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm nominal bore	Item86	5.00	each	400.00	2000.00	INR Two Thousand Only
1.087	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 50 mm nominal bore	Item87	5.00	each	800.00	4000.00	INR Four Thousand Only
1.088	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 20 mm nominal bore	Item88	5.00	each	300.00	1500.00	INR One Thousand Five Hundred Only
1.089	Providing and fixing uplasticised PVC connection pipe with brass unions : 30 cm length 15 mm nominal bore	Item89	10.00	each	60.00	600.00	INR Six Hundred Only
1.090	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet : 100 mm diameter	Item90	2.00	each	125.00	250.00	INR Two Hundred & Fifty Only
1.091	Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick, finished with a floating coat of neat cement complete as per standard design : With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	Item91	5.00	each	1200.00	6000.00	INR Six Thousand Only

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1.092	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. Circular tank	Item92	5000.00	Per Ltr	15.00	75000.00	INR Seventy Five Thousand Only
1.093	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 : 150 mm dia. R.C.C. pipe	Item93	300.00	mtr	425.00	127500.00	INR One Lakh Twenty Seven Thousand Five Hundred Only
1.094	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 : 300 mm dia. R.C.C. pipe	Item94	100.00	mtr	800.00	80000.00	INR Eighty Thousand Only
1.095	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Item95	15.00	each	9000.00	135000.00	INR One Lakh Thirty Five Thousand Only
1.096	Extra for depth for manholes : Size 90x80 cm With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Item96	5.00	mtr	7000.00	35000.00	INR Thirty Five Thousand Only
1.097	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :For fixed portion Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	Item97	3300.00	kg	425.00	1402500.00	INR Fourteen Lakh Two Thousand Five Hundred Only
1.098	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	Item98	1450.00	kg	440.00	638000.00	INR Six Lakh Thirty Eight Thousand Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE (excluding GST) In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1.099	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides	Item99	13.00	Sqm.	950.00	12350.00	INR Twelve Thousand Three Hundred & Fifty Only
1.100	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5.50 mm thickness	Item100	200.00	Sqm.	1000.00	200000.00	INR Two Lakh Only
1.101	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. With stainless steel cover plate minimum 1.25 mm thickness	Item101	6.00	each	2100.00	12600.00	INR Twelve Thousand Six Hundred Only
1.102	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	Item102	12.00	each	500.00	6000.00	INR Six Thousand Only
1.103	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	Item103	1900.00	kg	435.00	826500.00	INR Eight Lakh Twenty Six Thousand Five Hundred Only
1.104	Grading roof for water proofing treatment with Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	Item104	82.00	cum	5000.00	410000.00	INR Four Lakh Ten Thousand Only
1.105	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufactured of density at 25°C, 0.87 - 0.89 kg/litre and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane : 3 mm thick	Item105	762.00	Sqm.	400.00	304800.00	INR Three Lakh Four Thousand Eight Hundred Only
1.106	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level. All types of soil 300 mm dia	Item106	90.00	mtr	600.00	54000.00	INR Fifty Four Thousand Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE (excluding GST) In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1.107	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, beyond 90 metre & upto 150 metre depth below ground level. All type of soils: 300 mm dia	Item107	60.00	mtr	480.00	28800.00	INR Twenty Eight Thousand Eight Hundred Only
1.108	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.	Item108	10.00	cum	1250.00	12500.00	INR Twelve Thousand Five Hundred Only
1.109	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/ plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make, including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge. 200 mm nominal size dia having minimum wall thickness 5.4 mm	Item109	138.00	mtr	1800.00	248400.00	INR Two Lakh Forty Eight Thousand Four Hundred Only
1.110	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain slotted (having slot of size 1.6/3.2 mm) mild steel threaded and socketed/ plain bevel ended pipe (type A) of required dia, conforming to IS: 8110, of reputed and approved make, having wall thickness not less than 5.40 mm, including painted with outside surface with two coats of anticorrosive bitumestic paint of approved brand and manufacture, including hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer -in-charge. 150 mm nominal size dia	Item110	12.00	mtr	1650.00	19800.00	INR Nineteen Thousand Eight Hundred Only
1.111	Development of tube well in accordance with IS : 2800 (part I) and IS:11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	Item111	8.00	hour	800.00	6400.00	INR Six Thousand Four Hundred Only
1.112	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of: 150 mm dia	Item112	1.00	each	200.00	200.00	INR Two Hundred Only
1.113	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. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Item113	1.00	each	25000.00	25000.00	INR Twenty Five Thousand Only
1.114	Earth work in rough excavation, banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead upto 50 m and lift upto 1.5 m : All kinds of soil	Item114	150.00	cum	600.00	90000.00	INR Ninety Thousand Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE (excluding GST) In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1.115	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : All kinds of soil Pipes, cables etc, not exceeding 80 mm dia.	Item115	20.00	mtr	200.00	4000.00	INR Four Thousand Only
1.116	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 12.5mm nominal size)	Item116	10.00	sqm	300.00	3000.00	INR Three Thousand Only
1.117	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 40 mm nominal size).	Item117	7.00	cum	6000.00	42000.00	INR Forty Two Thousand Only
1.118	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) 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.	Item118	66.00	sqm	550.00	36300.00	INR Thirty Six Thousand Three Hundred Only
1.119	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Edges of slabs and breaks in floors and walls Under 20 cm wide	Item119	71.00	mtr	200.00	14200.00	INR Fourteen Thousand Two Hundred Only
1.120	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding	Item120	400.00	kg	135.00	54000.00	INR Fifty Four Thousand Only
1.121	Providing and fixing bright finished brass casement window fastener with necessary screws etc. complete.	Item121	14.00	each	60.00	840.00	INR Eight Hundred & Forty Only
1.122	Providing and fixing bright finished brass casement stays (straight peg type) with necessary screws etc. complete : 250 mm weighing not less than 280 gms	Item122	14.00	each	125.00	1750.00	INR One Thousand Seven Hundred & Fifty Only
1.123	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 : 150x10 mm	Item123	4.00	each	60.00	240.00	INR Two Hundred & Forty Only
1.124	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D, F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment). Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	Item124	137.00	kg	150.00	20550.00	INR Twenty Thousand Five Hundred & Fifty Only
1.125	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete. Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides	Item125	10.00	sqm	850.00	8500.00	INR Eight Thousand Five Hundred Only
1.126	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 5.5 mm thick glass panes	Item126	9.00	sqm	1000.00	9000.00	INR Nine Thousand Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE (excluding GST) In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1.127	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, unted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1 20 mm M.S. laths with 1 20 mm thick top cover	Item127	80.00	sqm	2400.00	192000.00	INR One Lakh Ninety Two Thousand Only
1.128	Extra for providing mechanical device chain and crank operation for operating rolling shutters. Exceeding 10.00 sqm and upto 16.80 sqm in the area	Item128	77.00	sqm	1000.00	77000.00	INR Seventy Seven Thousand Only
1.129	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	Item129	15.00	sqm	855.00	12825.00	INR Twelve Thousand Eight Hundred & Twenty Five Only
1.130	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	Item130	88.00	sqm	90.00	7920.00	INR Seven Thousand Nine Hundred & Twenty Only
1.131	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.	Item131	18.00	cum	6000.00	108000.00	INR One Lakh Eight Thousand Only
1.132	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: White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Item132	1.00	each	5000.00	5000.00	INR Five Thousand Only
1.133	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern	Item133	1.00	each	7000.00	7000.00	INR Seven Thousand Only
1.134	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap.	Item134	1.00	each	2500.00	2500.00	INR Two Thousand Five Hundred Only
1.135	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 453x357 mm.	Item135	1.00	each	1050.00	1050.00	INR One Thousand & Fifty Only
1.136	Providing and fixing soil, waste and vent pipes : 100 mm dia. Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905	Item136	50.00	mtr	1000.00	50000.00	INR Fifty Thousand Only
1.137	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast Iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. : For 100 mm dia pipe.	Item137	25.00	each	250.00	6250.00	INR Six Thousand Two Hundred & Fifty Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE (excluding GST) In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT in Words
1.138	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 100 mm dia. Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	Item138	25.00	each	300.00	7500.00	INR Seven Thousand Five Hundred Only
1.139	Providing and fixing single equal plain junction of required degree : 100x100x100 mm Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	Item139	5.00	each	500.00	2500.00	INR Two Thousand Five Hundred Only
1.140	Providing and fixing terminal guard : 100 mm Sand cast iron S&S as per IS - 1729	Item140	1.00	each	325.00	325.00	INR Three Hundred & Twenty Five Only
1.141	Providing and fixing shielded coupling for Hubless centrifugally cast iron pipe 100 mm dia SS 304 grade coupling with EPDM rubber gasket	Item141	5.00	each	350.00	1750.00	INR One Thousand Seven Hundred & Fifty Only
1.142	Providing and fixing collar : 100 mm. Sand cast iron S&S as per IS - 1729.	Item142	5.00	each	350.00	1750.00	INR One Thousand Seven Hundred & Fifty Only
1.143	Cutting chases in brick masonry walls for following diameter sand cast iron/ centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 12.5 mm nominal size), including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand) : 100 mm dia.	Item143	5.00	each	500.00	2500.00	INR Two Thousand Five Hundred Only
1.144	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall 50 mm dia nominal bore	Item144	5.00	mtr	700.00	3500.00	INR Three Thousand Five Hundred Only
1.145	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 25 mm dia nominal bore	Item145	10.00	mtr	325.00	3250.00	INR Three Thousand Two Hundred & Fifty Only
1.146	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	Item146	1.00	each	450.00	450.00	INR Four Hundred & Fifty Only
1.147	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 15 mm nominal bore	Item147	1.00	each	300.00	300.00	INR Three Hundred Only
1.148	Providing and fixing uplasticised PVC connection pipe with brass unions : 45 cm length 15 mm nominal bore	Item148	3.00	each	60.00	180.00	INR One Hundred & Eighty Only
1.149	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS: 8931. 15 mm nominal bore	Item149	4.00	each	600.00	2400.00	INR Two Thousand Four Hundred Only
1.150	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required : 15 mm nominal bore	Item150	5.00	each	550.00	2750.00	INR Two Thousand Seven Hundred & Fifty Only
1.151	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required : 25 mm nominal bore	Item151	2.00	each	700.00	1400.00	INR One Thousand Four Hundred Only
1.152	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required : 50 mm nominal bore	Item152	10.00	each	1000.00	10000.00	INR Ten Thousand Only

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1.153	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore	Item153	2.00	each	400.00	800.00	INR Eight Hundred Only
1.154	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	Item154	3.00	each	500.00	1500.00	INR One Thousand Five Hundred Only
1.155	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	Item155	2.00	each	30.00	60.00	INR Sixty Only
1.156	Constructing soak pit 1.20x1.20x1.20 m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	Item156	1.00	each	2500.00	2500.00	INR Two Thousand Five Hundred Only
1.157	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 coarse sand (Zone III) : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design: Inside dimensions 455x610 mm and 45 cm deep for single pipe line : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Item157	2.00	each	6000.00	12000.00	INR Twelve Thousand Only
1.158	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality L D- 2.5. Circular shape 450 mm internal diameter.	Item158	5.00	each	1000.00	5000.00	INR Five Thousand Only
1.159	Supply and installation of Precast Prestress RCC M-35, boundary wall of 2440 mm height from ground level with 600 mm below the ground level, precast panels of Size 2010X300X 50 mm, Columns Of size 3600X150X150mm with using 4 mm dia high Tensile Steel Reinforcement wires, minimum no. of wires in Column 7 & minimum No. of wires in Panels 3 No.s , having Foundation size 750X750X750 mm, 600mm below ground level columns to be grouted by Cement Concrete 1:2:4(1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), alongwith necessary excavation, including levelling and dressing of surrounding area. There will be 8 Precast Panels of 300 MM each in between two columns. The design shall be vetted and approved from Govt. Engineer College/NIT/IIT as per direction of Engineer-In-Charge. Note:- 1. The rate of item includes all activities involved in the above said item. Nothing extra shall be paid on any account. 2. Factory inspection during the pre-casting process shall be carried out by the Engineer-In-Charge alongwith/his authorized representative, as and when decided by the Engineer-In-Charge.	Item159	300.00	Running Meter	4000.00	1200000.00	INR Twelve Lakh Only
1.160	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.	Item160	4414.00	sqm	80.00	353120.00	INR Three Lakh Fifty Three Thousand One Hundred & Twenty Only
1.161	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paverfinisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.	Item161	777.00	cum	1700.00	1320900.00	INR Thirteen Lakh Twenty Thousand Nine Hundred Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE (excluding GST) In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1.162	Providing and laying design mix cement concrete of M-30 grade, in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately). Note:- Cement content considered in M-30 is @ 340 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately. Cement concrete prepared with batch mixing machine	Item162	888.00	cum	5490.00	4875120.00	INR Forty Eight Lakh Seventy Five Thousand One Hundred & Twenty Only
1.163	Construction of dry lean cement concrete sub base over a prepared sub-grade with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per specifications, cement content not to be less than 150 Kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, for all leads & lifts, laid with a mechanical paver, compacting with 8-10 tonne vibratory roller, finishing and curing etc. complete as per direction of Engineer-in- charge.	Item163	666.00	cum	3050.00	2031300.00	INR Twenty Lakh Thirty One Thousand Three Hundred Only
1.164	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge. With material conforming to Grade-II (size range 53 mm to 0.075 mm) having CBR Value-25	Item164	888.00	cum	2125.00	1887000.00	INR Eighteen Lakh Eighty Seven Thousand Only
1.165	Providing detailed civil architectural and structural design of MSSR, Sub Station Building and approach road including soil testing alongwith electrical work design & drawings. Design should be based on latest BIS codes and standard engineering practice. The design shall be prepared by qualified and registered structural consultant, approved by Engineer-in-charge, all complete as per Drawing of the MSSR/Sub Station Building. The design shall be vetted and approved from Govt. Engineering College/NIT/IIT. The agency shall be solely responsible for the adequacy and structural safety of the proposed structure. After approval of structural design & drawing 5 (Five) set of good for construction design & drawing showing all relevant details shall be submitted duly signed by consultant.	Item165	1.00	Job	225000.00	225000.00	INR Two Lakh Twenty Five Thousand Only
2	Electrical works :						
2.001	SH-1 : INTERNAL & EXTERNAL ELECTRIFICATION WORK 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. FR PVC insulated copper conductor single core cable etc as required.(Group C)	Item166	133.00	Point	1000.00	133000.00	INR One Lakh Thirty Three Thousand Only
2.002	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 1.5 sq. mm + 1 X 1.5 sq. mm earth wire)	Item167	600.00	Mtr	180.00	108000.00	INR One Lakh Eight Thousand Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE (excluding GST) in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
2.003	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)	Item168	100.00	Mtr	200.00	20000.00	INR Twenty Thousand Only
2.004	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 4 sq. mm + 1 X 4 sq. mm earth wire)	Item169	600.00	Mtr	225.00	135000.00	INR One Lakh Thirty Five Thousand Only
2.005	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 (4 X 4 sq. mm + 2 X 4 sq. mm earth wire)	Item170	150.00	Mtr	350.00	52500.00	INR Fifty Two Thousand Five Hundred Only
2.006	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 (2x6 sqmm + 1x6 sqmm)	Item171	50.00	Mtr	325.00	16250.00	INR Sixteen Thousand Two Hundred & Fifty Only
2.007	Supplying and fixing following modular switch/ socket/Telephone/TV socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. (5/6 amps switch)	Item172	59.00	Each	85.00	5015.00	INR Five Thousand &Fifteen Only
2.008	Supplying and fixing following modular switch/ socket/Telephone/TV socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. (3 pin 5/6 amp socket outlet)	Item173	59.00	Each	110.00	6490.00	INR Six Thousand Four Hundred & Ninety Only
2.009	Supplying and fixing following modular switch/ socket/Telephone/TV socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. (15/16 amp switch)	Item174	40.00	Each	130.00	5200.00	INR Five Thousand Two Hundred Only
2.01	Supplying and fixing following modular switch/ socket/Telephone/TV socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. (6 pin 15/16 amp socket outlet)	Item175	40.00	Each	175.00	7000.00	INR Seven Thousand Only
2.011	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole andearth, metal enclosed plug top alongwith 20 A "C" curve, SP, MCB, in sheet steelenclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Item176	4.00	Each	1225.00	4900.00	INR Four Thousand Nine Hundred Only
2.012	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required. (4 Pair)	Item177	200.00	Mtr	30.00	6000.00	INR Six Thousand Only
2.013	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required. (3 Module)	Item178	74.00	Each	225.00	16650.00	INR Sixteen Thousand Six Hundred & Fifty Only
2.014	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required. (6 Module)	Item179	5.00	Each	300.00	1500.00	INR One Thousand Five Hundred Only
2.015	Supply of surface mounted full glow type LED square fitting of maximum rated capacity of 36 watt with minimum lumen output 3600 lumens with metallic CRCA powder coated body, integrated driver and high efficiency diffuser suitable to operate on 140-270 V, 50 Hz AC supply complete as per technical specification etc. as required.	Item180	48.00	Each	2200.00	105600.00	INR One Lakh Five Thousand Six Hundred Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE (excluding GST) In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT in Words
2.016	Supply of recess mounted full glow type LED square fitting of maximum rated capacity of 36 watt with minimum lumen output 3600 lumens with metallic CRCA powder coated body, integrated driver and high efficiency diffuser suitable to operate on 140-270 V, 50 Hz AC supply complete as per technical specification etc. as required.	Item181	24.00	Each	3000.00	72000.00	INR Seventy Two Thousand Only
2.017	Supply of LED street light of maximum rated capacity of 45 watt with minimum lumen output 4950 lumens made of pressor die cast aluminum housing & heat resistant toughened clear glass including all accessories like electronic gear / driver with LED as light source suitable to operate on 140-270 V, 50 Hz AC supply complete as per technical specification etc. as required.	Item182	16.00	Each	5500.00	88000.00	INR Eighty Eight Thousand Only
2.018	Supply of surface mounted LED down light fixtures (white) round type of maximum rated capacity of 18 watt with minimum lumen output 1800 lumens with metallic CRCA powder coated body, integrated driver and high efficiency diffuser suitable to operate on 140-270 V, 50 Hz AC supply complete as per technical specification etc. as required.	Item183	16.00	Each	800.00	12800.00	INR Twelve Thousand Eight Hundred Only
2.019	Supplying and fixing of 32 mm dia X Approx 60 cm long G.I. pipe (medium class) bracket for mounting of LED/fluorescent / HPMV / HPSV street light fitting on wall / pole including bending the pipe to the required shape, 2 nos 40 mm X 3 mm flat iron clamps with nuts bolts and washer, painting the flat iron with primer and finish paint etc. as required.	Item184	16.00	Each	800.00	12800.00	INR Twelve Thousand Eight Hundred Only
2.02	Installation, testing and commissioning of pre-wired, LED Recess, Surface Mounted etc of above fixtures with all accessories including nut bolt washer and hanging/fixing arrangements if required directly on existing in False ceiling / wall / surface/ ceiling as including connection as per site requirement	Item185	104.00	Each	200.00	20800.00	INR Twenty Thousand Eight Hundred Only
2.021	Supplying and fixing following way Vertical TP&N distribution board, double door IP43 of steel sheet for 415 volts on surface/recess complete with cable end box of sheet steel, dust protected, duly powder painted, inclusive of 100amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting 100Amp MCCB incomer, Outgoing MCB's, terminal connectors for all incoming and outgoing circuits etc as required (i) 6 way, (MCCB)+18 module	Item186	2.00	Each	7000.00	14000.00	INR Fourteen Thousand Only
2.022	Supplying and fixing following 8 way SPN MCB distribution board double door IP43 of steel sheet for 240 volts on surface/recess complete of sheet steel, dust protected, duly powder painted etc complete as required	Item187	4.00	Each	1750.00	7000.00	INR Seven Thousand Only
2.023	Supply and fixing 100Amp, Four pole, 415Volts, MCCB, Braking capacity 36ka, Ics = 100% Icu with thermal magnetic release in the existing MCB DB complete with connections, testing and commissioning etc. as required.	Item188	2.00	Each	7000.00	14000.00	INR Fourteen Thousand Only
2.024	Supply and fixing following rating C curve, 415 volts, MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required. (i) 32 Amp, four pole	Item189	4.00	No.	1000.00	4000.00	INR Four Thousand Only
2.025	Supplying and fixing following rating, 240/415 volts, "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. (i) Single pole, 6 amps to 32 amps	Item190	44.00	No.	200.00	8800.00	INR Eight Thousand Eight Hundred Only
2.026	Supplying and fixing following rating, 240/415 volts, "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. (i) 32 Amp, two pole	Item191	4.00	No.	600.00	2400.00	INR Two Thousand Four Hundred Only
2.027	Supplying and fixing of following sizes of steel conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit etc as required as per specification. (25mm dia conduit pipe)	Item192	100.00	Mtr	160.00	16000.00	INR Sixteen Thousand Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE (excluding GST) In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT In Rs. P	TOTAL AMOUNT In Words
2.028	Supply and fixing of LED type low intensity Aviation obstruction light fixture of Bajaj model BGAV302LED or equivalent	Item193	1.00	Each	6000.00	6000.00	INR Six Thousand Only
2.029	Supply and Fixing of Emergency LED Bulb 9 watt Rechargeable Inverter LED Emergency Bulb (Cool White) with minimum 3 hours Back Up	Item194	4.00	Each	600.00	2400.00	INR Two Thousand Four Hundred Only
2.03	Supply of portable hand held Rechargeable type Emergency Light with minimum 4 hours battery backup. Make- Phillips, Havells, Wipro, Or Equivalent	Item195	2.00	Each	1000.00	2000.00	INR Two Thousand Only
2.031	Supply of 300 mm Sweep 1400RPM heavy duty exhasut fan suitable for operation on single phase 230 Volt +/-10 Volt, 50 Hz, Single Phase, AC Power supply including lauvers complete as required	Item196	13.00	Each	1500.00	19500.00	INR Nineteen Thousand Five Hundred Only
2.032	Supply of electric ceiling fan in white color having BEE 5 star rated, 1200mm sweep, double ball bearing capacitor type, complete with upto 30cm down rod, canopies, hanging shackel & blades & step type electronic regulator suitable to work on 230 Volts, 50Hz, Single phase, AC supply, Make Havells Model-Efficiencia Neo, Usha Model- Energia 32, Orient Model Hector 500 or Equivalent	Item197	16.00	Each	5400.00	86400.00	INR Eighty Six Thousand Four Hundred Only
2.033	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5sq. m FRLS PVC insulated, copper conductor, single core cable etc. as required.	Item198	16.00	Each	800.00	12800.00	INR Twelve Thousand Eight Hundred Only
2.034	Supplying and fixing extra down rod of 10 cm length G.I. pipe, 15 mm dia, heavy gauge including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	Item199	16.00	Each	500.00	8000.00	INR Eight Thousand Only
2.035	Installation of exhaust fan upto 450 mm in the existing opening, including, making the hole to suit the size of fan, making good the damage, connection, testing, commissioning etc. as required.	Item200	13.00	Each	500.00	6500.00	INR Six Thousand Five Hundred Only
2.036	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	Item201	13.00	Each	1000.00	13000.00	INR Thirteen Thousand Only
2.037	Numbering of ceiling fan/ exhaust fan/ Light fittings as required.	Item202	133.00	Each	50.00	6650.00	INR Six Thousand Six Hundred & Fifty Only
2.038	Supply of following size 1.1 KV grade XLPE /PVC insulated, PVC sheathed, armoured Aluminium conductor conforming to IS 7098(part 1) amended upto date. (I)4C. 25 Sq.mm	Item203	50.00	Mtr	160.00	8000.00	INR Eight Thousand Only
2.039	Laying of one number XLPE/PVC insulated PVC sheathed aluminium/copper conductor armoured power cable of 1.1 KV grade of following sizes in theexisting RCC/HUME/ STONEW / METAL PIPE/HDPE as required. (I) up to 35 Sqmm	Item204	50.00	Mtr	300.00	15000.00	INR Fifteen Thousand Only
2.04	Supply of 40 mm outer dia PE-80 HDPE Pipe suitable to lay in underground as per IS:4984/95 duly ISI marked . Should withstand minimum pressure of 6 Kgf/cm2.	Item205	50.00	Mtr	200.00	10000.00	INR Ten Thousand Only
2.041	Laying of HDPE/MS Pipe direct in underground at depth of upto 75 cm below ground level including excavation and refilling of soil/concrete and refilling it as required at site.	Item206	50.00	Mtr	200.00	10000.00	INR Ten Thousand Only
2.042	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.	Item207	4.00	Set	6000.00	24000.00	INR Twenty Four Thousand Only
2.043	Providing & fixing of 6 SWG GI wire on surface or in the recess for loop earth.	Item208	100.00	Mtr	50.00	5000.00	INR Five Thousand Only
2.044	Supplying and making end termination with brass compression gland and aluminum lugs for following size of XLPE/PVC installed PVC sheathed aluminum conductor electric cable of 1.1 kv grade as required. 4 C x 25 sq.mm.	Item209	2.00	Set	250.00	500.00	INR Five Hundred Only
2.045	SH-2: FIRE DETECTION & FIRE ALARM SYSTEM SITC of Seamless Cylinder 120 ltr with valve Assembly, Supervisory Pressure Gauge, Super Pressurized Nitrogen at 34.5/42 bar complete as required	Item210	4.00	Nos	15000.00	60000.00	INR Sixty Thousand Only
2.046	SITC of Electrical Actuator with Relay module complete as required-	Item211	1.00	Nos	40000.00	40000.00	INR Forty Thousand Only

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2.047	Supply & filling of Novec 1230 Gas complete as required	Item212	370.00	Kg	2500.00	925000.00	INR Nine Lakh Twenty Five Thousand Only
2.048	SITC of Local Manual Actuator complete as required	Item213	3.00	Nos	10000.00	30000.00	INR Thirty Thousand Only
2.049	SITC of Actuation hose for Pneumatic Connection (Pilot Hose) complete as required	Item214	3.00	Nos	4200.00	12600.00	INR Twelve Thousand Six Hundred Only
2.05	SITC of Discharge Hose complete as required	Item215	4.00	Nos	2000.00	8000.00	INR Eight Thousand Only
2.051	SITC of Cylinder Mounting Clamps complete as required	Item216	8.00	Each	800.00	6400.00	INR Six Thousand Four Hundred Only
2.052	SITC of Nozzle Brass- 360/180 Degree complete as required	Item217	10.00	Nos	400.00	4000.00	INR Four Thousand Only
2.053	SITC of Piping -M.S Seamless Sch40 ASTM A-106 Gr. B with necessary fittings & accessories complete as required	Item218	1.00	LOT	60000.00	60000.00	INR Sixty Thousand Only
2.054	SITC of warning plate for use outside room complete as required	Item219	1.00	Nos	400.00	400.00	INR Four Hundred Only
2.055	SITC of warning plate for use inside room complete as required	Item220	1.00	Nos	400.00	400.00	INR Four Hundred Only
2.056	Supply, installation, testing & commissioning of Manual Release Switch complete as required	Item221	1.00	Nos	1000.00	1000.00	INR One Thousand Only
2.057	Supply, installation, testing & commissioning of Manual Abort Switch complete as required	Item222	1.00	Nos	1000.00	1000.00	INR One Thousand Only
2.058	Supply, installation, testing and commissioning of Fire Alarm Control panel with LCD display with battery with complete programming and suitable to interface with auto dialer complete as required	Item223	1.00	Nos	5000.00	5000.00	INR Five Thousand Only
2.059	Supply, installation, testing and commissioning of Gas Release panel with LCD display with battery with complete programming complete as required	Item224	1.00	Nos	22000.00	22000.00	INR Twenty Two Thousand Only
2.06	Supply, installation, testing and commissioning of Autodialer suitable for interfacing with Fire Alarm Panel with complete programming complete as required	Item225	1.00	Nos	10000.00	10000.00	INR Ten Thousand Only
2.061	SITC of Response Indicator complete as required	Item226	5.00	Nos	1200.00	6000.00	INR Six Thousand Only
2.062	SITC of Multi Sensor Detector complete as required	Item227	22.00	Nos	18000.00	396000.00	INR Three Lakh Ninety Six Thousand Only
2.063	SITC of Loop Sounder with Strobe complete as required	Item228	4.00	Nos	5000.00	20000.00	INR Twenty Thousand Only
2.064	Supplying & Laying of 2C X 1.5 Sq. mm. Armoured Copper Cable complete as required	Item229	600.00	Mtr.	60.00	36000.00	INR Thirty Six Thousand Only
2.065	SITC of DISCHARGE PRESSURE SWITCH complete as required	Item230	1.00	Nos	1500.00	1500.00	INR One Thousand Five Hundred Only
2.066	SH-3 LIGHTNING PROTECTION SYSTEM 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 3 mm thick copper base plate including holes etc. complete as required.	Item231	4.00	Each	3000.00	12000.00	INR Twelve Thousand Only
2.067	Jointing copper / G.I. tape (with another copper/ GI tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	Item232	4.00	Each	500.00	2000.00	INR Two Thousand Only
2.068	Providing and fixing copper tape 25 mm X 5 mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run)	Item233	50.00	Mtr	700.00	35000.00	INR Thirty Five Thousand Only
2.069	Providing and fixing copper tape 25 mm X 5 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run)	Item234	60.00	Mtr	800.00	48000.00	INR Forty Eight Thousand Only
2.07	Providing and fixing testing joint, made of 25 mm X 5mm thick copper strip, 125 mm long, with 4 nos. of tinned brass bolts, nuts, chuck nuts and spring washers etc. complete as required.	Item235	4.00	Each	500.00	2000.00	INR Two Thousand Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE (excluding GST) In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
2.071	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.	Item236	80.00	Mtr	950.00	76000.00	INR Seventy Six Thousand Only
2.072	Earthing with copper earth plate 600mm x 600mm x 3.0mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe upto 2.7 mtr etc. with charcoal and salt complete as required.	Item237	8.00	Each	10000.00	80000.00	INR Eighty Thousand Only
2.073	Supplying and laying 25 mm X 5 mm copper strip at 1 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer, excavation & re-filling etc. as required.	Item238	60.00	Mtr	600.00	36000.00	INR Thirty Six Thousand Only
Total In Figures						46630535.00	INR Four Crore Sixty Six Lakh Thirty Thousand Five Hundred & Thirty Five Only
Quoted Rate in Figures				Select		0.0000	Zero Only
Quoted Rate in Words							INR Four Crore Sixty Six Lakh Thirty Thousand Five Hundred & Thirty Five Only

16/06/2021

पी.के. गर्ग
P.K. Garg

उप महाप्रबंधक अभियांत्रिकी (विद्युत)
Dy. General Manager Engg. (Elect.)

भा.वि.प्र.ला.ब.शा. अन्तरराष्ट्रीय हवाई अड्डा, वाराणसी
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