



न्यूक्लियर पावर कॉर्पोरेशन ऑफ इंडिया लिमिटेड

NUCLEAR POWER CORPORATION OF INDIA LIMITED

(भारत सरकार का उद्यम A Government of India Enterprise)

चुटका मध्य प्रदेश परमाणु विद्युत परियोजना

CHUTKA MADHYA PRADESH ATOMIC POWER PROJECT

पचम तल, संचार विकास भवन, रॉसेडेंसी रोड, मुख्य डाकघर के पास, सिविल लाइन, जबलपुर (म. प्र.) - 482001

5th Floor, Sanchar Vikas Bhawan, Residency Road, Near Head Post Office, Civil Lines, Jabalpur (M.P.) - 482001

दूरभाष नं. Phone No.: 0761- 2626216 फेक्स नं. FAX No.: 0761-2930271, ईमेल Email: skgumasta@npcil.co.in

वेबसाईट Website :- www.npcil.nic.in कॉर्पोरेट पहचान संख्या Corporate Identification Number : U40104MH1987GOI149458

No. NPCIL/CMPAPP/JBP/2025/31

Date: 30.01.2025

To,

M/s ROYAL ENGINEERING SERVICES

House No 318 K Karam Dharm,

Narora, Bulandshahr Pin Code - 203389

Contact No.: 8763593403

Email : kitabsingh.yadav@gmail.com

W.O. No. : 200951 Dated 30.01.2025

PAN No. : AAYPY0263H

GST No. : 09AAYPY0263H2ZX

Bank A/c No. : 11394651655

Name of Bank: SBI Narora Bulandshahr

IFSC Code : SBIN0004602

MII : Class I

MSE : Micro Services

Name of work: Miscellaneous Civil, Electrical and other development works in R&R colony at village Goujli Raiyat, Mandla.

- Reference:
1. Tender No. NPCIL/CMPAPP/2024/CIVIL/PT77.
 2. Your tender submitted on date 29.07.2024.
 3. Our letter no. NPCIL/CMPAPP/JBP/2024/309 dated 27/12/2024.
 4. Your letter no. Nil dated 30.12.2024.
 5. Your letter no. Nil dated 06.01.2025.
 6. Minutes of Discussion Meeting dated 06.01.2025.

Dear Sir,

Please refer to your above cited tender in response to Tender No. NPCIL/CMPAPP/2024/CIVIL/PT77 for the above work and part-I Technical bid opened on 30.07.2024 and subsequent Part-II financial bid opened on 05.11.2024.

1. This is in reference to our above-mentioned work, it is to inform you that the tender submitted by you on 29.07.2024 and subsequent discussion held dated 06.01.2025, your offer has been accepted for and on behalf of NPCIL, for the items of work shown in the schedule of quantities and rates for a total value of **Rs. 3,41,21,800/- (Rupees Three Crore Forty One Lakh Twenty One Thousand Eight Hundred Only)** including all taxes.
2. Item no. 2.00, 4.01, 4.02, 4.03, 4.04, 4.05, 4.06, 4.07, 4.08, 4.09, 4.10, 4.12, 4.13, 4.14, 4.15, 4.16, 4.17, 4.18, 5.00, 6.00, 7.00, 8.00, 9.00, 10.00, 13.00, 14.00, 16.00, 17.00, 18.00, 19.00, 23.00, 32.00, 35.00, 37.02, 42.00, 57.00, 59.00, 61.00, 62.00, 63.00, 64.00, 65.00, 70.00, 71.00, 79.02, 81.01, 81.02, 82.01, 82.02 & 88.00 (total 50 nos. items) are AHR (Abnormally High Rate) items. You agreed to execute AHR items beyond GCC variation quantities at departmental estimated rates as per reference 5 & 6 above. Details are as follows:

SOQR Item No.	Description	Quoted Rate (In Rs.)	Departmental Estimated Rate beyond GCC Variation limits (In Rs.)
2.00	<u>Cleaning and washing</u> of Roads either by manual means or by using machinery like compressed air arrangement for cleaning by removing all dust, mud etc. without any damage to Roads including disposal of all dust, mud etc. within 1 km and as per the direction of Engineer-in-charge.	300.00	67.67

SOQR Item No.	Description	Quoted Rate (In Rs.)	Departmental Estimated Rate beyond GCC Variation limits (In Rs.)
4.01	Single Dwelling Unit compound within boundary wall include Dwelling Unit, Toilets , Bathroom etc. (complete)	70.00	26.26
4.02	Shopping Centre A	1500.00	345.42
4.03	Shopping Centre B	1500.00	345.42
4.04	Haat Bazaar	1500.00	154.53
4.05	Pubic Toilet Block	1500.00	47.47
4.06	Community Building	1500.00	571.66
4.07	Police Chowki	1500.00	47.47
4.08	Panchayat Bhawan	1500.00	172.71
4.09	Primary Health Centre	1500.00	482.78
4.10	Primary School	2000.00	959.5
4.12	Aanganwadi	1000.00	226.24
4.13	Bus Stop	800.00	273.71
4.14	Place of Worship	800.00	184.83
4.15	Animal Shed	800.00	196.95
4.16	Veterinary	800.00	149.48
4.17	Cremation shed	800.00	196.95
4.18	Water tank and pump house area	2500.00	268.66
5.00	<u>Earth work in excavation</u> by mechanical means (Hydraulic excavator) / manual means over areas in all kinds of soil(exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including dressing of sides and ramming of bottom disposal of excavated earth within 1 Km distance, disposed earth to be levelled and neatly dressed. No extra lead / lift is payable. All kinds of soil.	250.00	174.73
6.00	<u>Filling available excavated earth</u> (excluding hard rock/Ordinary rock) in trenches, plinth, sides of foundations, area grading, etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering within lead of 1 Km.	150.00	113.12
7.00	Supplying and filling in plinth with <u>crusher stone dust / coarse sand under floors</u> including, watering, ramming and compacting in layers not exceeding 20cm in depth and dressing complete . Note: - Maximum thickness of this layer shall be 20 cm	1700.00	800.93
8.00	Supplying and filling in plinth with hard <u>muram/hard copra under floors</u> including watering ramming cosolidating in layers not exceeding 20cm in depth and dressing complete. With hard muram having CBR >12 % at under floors including watering, ramming and	1200.00	468.64

SOQR Item No.	Description	Quoted Rate (In Rs.)	Departmental Estimated Rate beyond GCC Variation limits (In Rs.)
	compacting (minimum compaction 95% of MDD) in layers not exceeding 20cm in thickness and dressing complete. (Note:- maximum thickness of this layer to be provided shall be 30cm)		
9.00	Construction of <u>granular sub-base</u> by providing well graded material like natural sand crushed gravel or crushed stone having CBR >30, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator or plant mix method at OMC, and compacting with static roller to achieve the desired density, complete as per relevant standards.	2200.00	1053.43
10.00	Providing, laying, spreading and compacting graded stone aggregate to <u>wet mix macadam</u> specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with static roller to achieve the desired density as per specifications.	3000.00	1720.03
13.00	Providing and fixing upto floor two level <u>precast cement concrete</u> string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc. Including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 sand), including cost of required centering, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 Cement : 3 sand) wherever required complete.: <u>M-25 (With 20mm nominal size Graded stone aggregate)</u>	8200.00	6072.12
14.00	Providing and laying Plain/Reinforced cement concrete including form work shuttering, 125 micron thick plastic sheeting separation membrane between the concrete and sub-base etc. complete as per drawing and technical specifications with: <u>PCC-Grade M30</u>	8500.00	6446.83
16.00	Providing and laying 40 mm thick <u>Cement concrete flooring</u> 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate) 20mm nominal size stone aggregate in panels finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. (Area of panel not to exceed 2.0 sqm.)	500.00	322.19
17.00	<u>Brick work</u> with well burnt open bhatta / flyash bricks, crushing strength not less than 25kg /cm ² and water absorption not more than 20% at all	6500.00	4952.03

SOQR Item No.	Description	Quoted Rate (In Rs.)	Departmental Estimated Rate beyond GCC Variation limits (In Rs.)
	levels including curing etc complete with : Cement Mortar 1:6 (1 cement: 6 sand).		
18.00	12 mm cement plaster of mix : 1:4 (1 Cement : 4 Sand)	280.00	206.04
19.00	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 sand : 12 graded stone aggregate 20mm nominal size) at plinth level with : Cement mortar 1:6 (1 cement : 6 sand)	6500.00	4941.93
23.00	Providing and painting with synthetic enamel paint , having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including cleaning of exting painting/surface and applying additional coats wherever required to achieve even shade and colour : Two coats	100.00	63.63
32.00	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rail of T-iron 40x40x6mm with 40mm dia steel pulleys complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer. Rate includes recess cutting in floor and making good the same wherever required.	10000.00	4924.76
35.00	Providing and laying non pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 sand) including testing of joints etc.complete : 300 mm dia. R.C.C. pipe	900.00	571.66
37.02	20 mm nominal outer dia .Pipes.	250.00	182.81
42.00	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	1000.00	578.73
57.00	Supplying chemical emulsion in sealed containers including delivery as specified. (Chlorpyriphos/ Lindane emulsifiable concentrate of 20%)	300.00	207.05
59.00	Supply of Hydraulic Excavator (3D) with driver and fuel. (8 hours per day)	20000.00	8342.6
61.00	Supplying and stacking at site dump manure from approved source including all lead etc. complete (manure measured in stacks will be reduced by 8% for payment): Screened through sieve of I.S. designation 4.75 mm	500.00	381.78

SOQR Item No.	Description	Quoted Rate (In Rs.)	Departmental Estimated Rate beyond GCC Variation limits (In Rs.)
62.00	Supply and stacking of Tree plants of height 105-120 cm. in big poly bags of size 25 cm as per direction of the officer-in-charge : Ashoka, Champa, Gulmohar, Neem, Siris, Shisham, Mango, Bakul, Paras Pipal, Amla, Amrud, Kadam.	150.00	94.94
63.00	Plantation of Trees, Shrubs, and Hedge at site i/c watering and removal of unserviceable material's as per direction of officer in charge including Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any with all leads and lifts (cost of plant, manure, sludge or extra good earth if needed to be paid for separately):Tree plant: Holes 45 cm dia and 45 cm deep.	50.00	31.31
64.00	Complete maintenance of trees (Out side garden), jobs like making of basin at regular interval i/c watering, weeding, pruning & application of dump manure, fertilizer, Insecticide, Pesticide etc, as per direction of Engineer-in- charge. This item includes the cost of fertilizer, Insecticide, Pesticide, T & P material/articles but excluding the cost of dump manure.	45000.00	23028
65.00	Complete maintenance of the entire garden features having as per yard stick in the garden area i.e. lawn trees, shrubs, herbs, edge, flower beds, foliages, creepers etc. including hoeing,weeding, pruning, replacement of plants, gap filling, watering, mowing of lawn, grass cutting by lawn mover and brush cutter, removal of garden waste, applying insecticide, pesticide & fertilizers (whenever required) top dressing of lawn with good earth and manure and maintenance of other garden related works as directed by Engineer-in- charge. This item includes the cost of Fertilizer, Insecticide, Pesticide, lawn mover and brush cutter with fuel and other T & P material/articles but excludes the cost of dump manure.	38.00	2.02
70.00	Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M-25 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement	3500.00	2256.34

SOQR Item No.	Description	Quoted Rate (In Rs.)	Departmental Estimated Rate beyond GCC Variation limits (In Rs.)
	but including the cost of boring and the length of the pile to be embedded in pile cap etc. all complete for 300mm dia pile.(Length of pile for payment shall be measured upto the bottom of pile cap).		
71.00	Extra over item 68 for providing additional bulb in under reamed piles for 300mm dia (only the quantity of extra bulbs are paid).	2500.00	1643.27
79.02	<u>Replacing old one which is not repairable, with new one</u> including all required materials, fittings and fixtures etc. for making the tubelights in workable condition by <u>Supplying, fixing and testing of T-5 lamp Batten type Tube fitting with epoxy white</u> powder coated CRCA sheet steel / PVC complete with electronic ballast (HF), rotor holders, duly wired fixing wall/ceiling on PVC clamp/round plate with necessary materials complete as required. : T - 5 Lamp 1 X 18 watt LED	800.00	617.11
81.01	<u>Repairing and Maintenance of installed Led Bulbs</u> including all required materials, fittings and fixtures etc. for making the Led Bulbs in workable condition.	50.00	32.32
81.02	<u>Replacing old one which is not repairable, with new one</u> including all required materials, fittings and fixtures etc. for making the Led Bulbs in workable condition by <u>Supply and fixing of 1 X 18 watts CFL/LED bulb</u>	300.00	212.10
82.01	<u>Repairing and Maintenance</u> of existing MCB/MCCB/RCCB/ELCB including all required materials, fittings and fixtures etc. for making the existing MCB/MCCB/RCCB/ELCB in workable condition.	200.00	45.45
82.02	<u>Replacing old one which is not repairable, with new one</u> by <u>Supplying and fixing</u> of all type and all capacity 10/ 16/ 20/ 32 AMP <u>MCB/ MCCB/ RCCB/ ELCB</u> including all fittings and fixtures.	1000.00	303.00
88.00	Supply, installation, testing & commissioning of 3 Phase, 100 A Tri- Vecto Meter .	25000.00	14301.60

- The work shall be carried out strictly in accordance with the terms, conditions, and specifications stipulated in the tender and also in best workman like manner.
- Scheduled contract period for the work is **730 calendar days** including Sunday. Holiday and monsoon period and shall be reckoned from the dated of commencement of work.
- The possession of site is expected to be given immediate the issue of work order. However, Date of commencement shall be from the 05/02/2025 for defining the schedule contract period.

6. The rates are inclusive of all taxes / statutory levies applicable as on the date of submission of bid including GST. Any variation in the rate of taxes, statutory levies or introduction of any new taxes, duties or levies imposed after opening the bids and during the currency of the work shall be subject to recovery / reimbursement by the corporation on submission of documentary proof.
7. The amount of security deposit shall be 10% of work order value with GST is i.e. Rs. 34,12,180/- security deposit shall be submitted as under : -
- Performance Guarantee to be submitted on award of work (50% amount of Security Deposit) within 30 days of award of work.
 - Retention Money (Balance 50% amount of Security Deposit) will be recovered from running account bills @ 6% per RA Bill until the amount is so accrued.
8. Refund of Security Deposit.
- ❖ The retention money will be refunded to the contractor after one month from the date of issue of completion certificate on receipt of request from the contractor, if as per Engineer-in-charge, the balance amount of security deposit (Performance Guarantee) is sufficient to cover the Liabilities.
 - ❖ After the expiry of the Defect Liability Period, the balance amount of security deposit i.e. the Performance Guarantee shall be refunded by the engineer-in-charge to the Contractor. however, if any work remains to be executed under Clause 9 (Defects Liability) of GCC, the Engineer-in-charge shall withhold the estimated cost of such rectification work, until it is executed.
9. Escalation shall be regulated as per Clause #11.3.4 of the General conditions of contract. The variation components applicable under this contract is percentage are as under :

Various Component expressed as a percentage of contract value	
Fixed component	F = Fixed component i.e. 15% of contract value, which is not subjected to any adjustment under this formula.
Unskilled labour component (lu)	14%
Semi-Skilled labour component (lss)	03%
Skilled labour component (ls)	03%
Material component	Latest wholesale price indices (i.e. Base Year 2011-12) for various material components for calculation of escalation shall be considered as published by "The Office of Economic Advisor to Govt. of India, Ministry of Industry & Commerce.
Manufacture of Cement, Lime and Plaster (m)	08%
Mild Steel - Long Products (n)	06%
Nil (o)	00%
Nil (p)	00%
All other materials (q)	49%
P.O.L. Component (d)	02%
Non escalable component (NF)	-----
Nearest Petrol pump to be considered for petrol prices (P.O.L.)	Mandla (M.P.)

10. The Contractor shall provide insurance cover in the **joint names of the Corporation and the Contractor**, from the date of commencement of work to the end of the Defects Liability Period. The Contractor is liable to take Contractor's all risk policy for the whole contract value. The insurance amount shall also cover third party liability to the extent, if any as specified in Schedule A. In addition to this the contractor shall also take Workmen Compensation Policy for workmen.

11. You are requested to inform the name of the authorized representative who will deal with all matters relating to the contract and the Power of Attorney in his favour duly executed on stamped paper of an appropriate value shall be furnished.
12. **Shri Kapil Kumar Gupta, Engineer, SO/D** will be Engineer in charge of this work. You may make necessary arrangements for commencing the work immediately in consultation with Engineer in charge.
13. RA bill will be paid on monthly basis after receiving the bills submitted by you in triplicate. You have to submit tax invoice as per GST and a declaration form for GST, with each RA bill. You have to show the GST (Tax components) separately in the invoice with separate SAC code. The payment Authority is Manager (I&A), NPCIL, VS Bhawan, Mumbai.
14. Documents to be submitted at different stages of work execution and along with RA Bills shall be submitted as per clause no. 15 of special conditions of contract.
15. You are requested to submit a stamp paper as per prevailing act of the state, jointly in your name & NPCIL to Engineer-In-Charge within a week of receipt of work order. You are requested to attend the office for signing the agreement within 30 days from the date of issue of this work order. Till a formal agreement is executed the original tender/bid submitted together with letters under reference and this work order shall form the binding contract between us.
16. All other terms and conditions not specifically brought out in this work order shall be governed as per tender document.

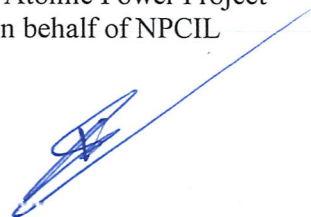
Kindly acknowledge the receipt of this work order and send acceptance of work order.

Encl.: Schedule of Quantities & rates.

Yours Faithfully


30.01.2025

Chief Construction Engineer & Unit Head
Chutka MP Atomic Power Project
For & on behalf of NPCIL



SCHEDULE OF QUANTITIES AND RATES

Name of Work:- Miscellaneous Civil, Electrical and other development works in R&R colony at village
Gonjhi Raiyat, Mandla.

TENDER NO : NPCIL/CMPAPP/2024/CIVIL/PT77

Item No	Item Description	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
1.00	Clearing jungle Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish upto 1 Km distance and as per the direction of Engineer-in-charge.	4200.000	100 sqm	100.00	420000.00
2.00	Cleaning and washing of Roads either by manual means or by using machinery like compressed air arrangement for cleaning by removing all dust, mud etc. without any damage to Roads including disposal of all dust, mud etc. within 1 km and as per the direction of Engineer-in-charge.	1100.000	100 sqm	300.00	330000.00
3.00	Cleaning of Drains having different sections either by manual means or by using machinery by removing all dust, mud etc. without any damage to the drain structures and as per the direction of Engineer-in-charge.				
3.01	0.45 m wide internal width	20000.000	per metre	10.00	200000.00
3.02	0.95 m wide internal width	10000.000	per metre	20.00	200000.00
3.03	1.6m wide internal width	4000.000	per metre	40.00	160000.00
3.04	3.5 m wide Box Tunnel	1000.000	per metre	100.00	100000.00
4.00	Cleaning, washing and mopping of floors, walls, ceilings, stairs, roofs of rooms, kitchens, verandah, toilets etc. of different buildings/structures as well as the clearance of grass & unwanted vegetation of area in its vicinity as per the direction of Engineer-in-charge .This item includes the costs of materials required for cleaning washing and moppings like brooms, detergents, brushes etc.all complete and also includes the cost for removal of all dust, mud etc. within 1 km as per the direction of Engineer-in-charge.				
4.01	Single Dwelling Unit compound within boundary wall include Dwelling Unit, Toilets , Bathroom etc. (complete)	15840.000	Lumpsum	70.00	1108800.00
4.02	Shopping Centre A	48.000	Lumpsum	1500.00	72000.00
4.03	Shopping Centre B	48.000	Lumpsum	1500.00	72000.00
4.04	Haat Bazaar	48.000	Lumpsum	1500.00	72000.00
4.05	Pubic Toilet Block	48.000	Lumpsum	1500.00	72000.00
4.06	Community Building	48.000	Lumpsum	1500.00	72000.00
4.07	Police Chowki	48.000	Lumpsum	1500.00	72000.00
4.08	Panchayat Bhawan	48.000	Lumpsum	1500.00	72000.00
4.09	Primary Health Centre	48.000	Lumpsum	1500.00	72000.00
4.10	Primary School	48.000	Lumpsum	2000.00	96000.00
4.11	Middle and Higher Secondary School	48.000	Lumpsum	2000.00	96000.00
4.12	Aanganwadi	48.000	Lumpsum	1000.00	48000.00
4.13	Bus Stop	48.000	Lumpsum	800.00	38400.00
4.14	Place of Worship	48.000	Lumpsum	800.00	38400.00
4.15	Animal Shed	48.000	Lumpsum	800.00	38400.00
4.16	Veterinary	48.000	Lumpsum	800.00	38400.00
4.17	Cremation shed	48.000	Lumpsum	800.00	38400.00
4.18	Water tank and pump house area	48.000	Lumpsum	2500.00	120000.00

Item No	Item Description	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
5.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas in all kinds of soil(exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including dressing of sides and ramming of bottom disposal of excavated earth within 1 Km distance, disposed earth to be levelled and neatly dressed. No extra lead / lift is payable. All kinds of soil.	550.000	cum	250.00	137500.00
6.00	Filling available excavated earth (excluding hard rock/Ordinary rock) in trenches, plinth, sides of foundations, area grading, etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering within lead of 1 Km.	130.000	cum	150.00	19500.00
7.00	Supplying and filling in plinth with crusher stone dust / coarse sand under floors including, watering, ramming and compacting in layers not exceeding 20cm in depth and dressing complete . Note: - Maximum thickness of this layer shall be 20 cm.	70.000	cum	1700.00	119000.00
8.00	Supplying and filling in plinth with hard muram/hard copra under floors including watering ramming cosolidating in layers not exceeding 20cm in depth and dressing complete With hard muram having CBR >12 % at under floors including watering, ramming and compacting (minimum compaction 95% of MDD) in layers not exceeding 20cm in thickness and dressing complete. (Note:- maximum thickness of this layer to be provided shall be 30cm)	170.000	cum	1200.00	204000.00
9.00	Construction of granular sub-base by providing well graded material like natural sand crushed gravel or crushed stone having CBR >30, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator or plant mix method at OMC, and compacting with static roller to achieve the desired density, complete as per relaevant standards.	100.000	cum	2200.00	220000.00
10.00	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with static roller to achieve the desired density as per specifications.	100.000	cum	3000.00	300000.00
11.00	Providing and laying Plain/Reinforced cement concrete including form work shuttering etc. complete as per drawing and technical specifications with: PCC- Grade M15	170.000	cum	5000.00	850000.00
12.00	Providing and laying Plain/Reinforced cement concrete including form work shuttering etc. complete as per drawing and technical specifications with: RCC- Grade M25	110.000	cum	7700.00	847000.00
13.00	Providing and fixing upto floor two level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc. Including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 sand), including cost of required centering, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 Cement : 3 sand) wherever required complete.: M25 (With 20mm nominal size graded stone aggregate)	20.000	cum	8200.00	164000.00
14.00	Providing and laying Plain/Reinforced cement concrete including form work shuttering, 125 micron thick plastic sheeting separation membrane between the concrete and sub-base etc. complete as per drawing and technical specifications with: PCC- Grade M30	180.000	cum	8500.00	1530000.00
15.00	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding including cost of binding wire all wastages and overlaps, couplers (overlaps shall be provided as per requirement of IS 13920 for ductile detailing IS 456 RCC Design & SP 34 Reinforcement detailing) etc. complete. : Thermo-Mechanically Treated bars. (TMT/TMX) FE 500 or more conforming to IS 1786	20000.000	kg	82.00	1640000.00

Item No	Item Description	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
16.00	Providing and laying 40 mm thick Cement concrete flooring 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate) 20mm nominal size stone aggregate in panels finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. (Area of panel not to exceed 2.0 sqm.)	1000.000	sqm	500.00	500000.00
17.00	Brick work with well burnt open bhutta / flyash bricks, crushing strength not less than 25kg /cm ² and water absorption not more than 20% at all levels including curing etc complete with : Cement Mortar 1:6 (1 cement: 6 sand).	80.000	cum	6500.00	520000.00
18.00	12 mm cement plaster of mix : 1:4 (1 Cement : 4 Sand)	280.000	sqm	280.00	78400.00
19.00	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 sand : 12 graded stone aggregate 20mm nominal size) at plinth level with : Cement mortar 1:6 (1 cement : 6 sand)	25.000	cum	6500.00	162500.00
20.00	Providing and Finishing by any mechanical or manual means with distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, two or more coats on new/old work of required shade and colour complete, as per manufacturer's specification including removing exting paint/surface by scrapping and sand papering and preparing the surface smooth including necessary cleaning and repairs to scratches. Work also includes providing and application of one or more coat primer etc. complete as directed by engineer-in-charge.	37000.000	sqm	45.00	1665000.00
21.00	Providing and painting by any mechanical or manual means with Premium Acrylic Smooth exterior paint (Premium exterior) of approved manufacturer and required shade including all scaffolding, removing exting paint/surface by scrapping and sand papering and preparing the surface smooth including necessary cleaning and repairs to scratches etc. complete on new work/old work (Two or more coat applied @1.67ltr/10sqm over and including coat undiluted exterior waterproofing coating @ 2.39 litre/10 sqm with crack bridging ability of upto 0.5mm on horizontal surfaces with an elongation of 150% and water proofing of upto 3 bars on vertical surface)	90000.000	sqm	90.00	8100000.00
22.00	Providing and painting by any mechanical or manual means with plastic emulsion paint of required shade including all scaffolding, removing exting paint/surface by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete and also includes providing and application of one or more coat primer etc. complete as directed by engineer-in-charge.	14000.000	sqm	90.00	1260000.00
23.00	Providing and painting with synthetic enamel paint , having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including cleaning of exting painting/surface and applying additional coats wherever required to achieve even shade and colour : Two coats	9500.000	sqm	100.00	950000.00
24.00	Providing and laying factory made coloured chamfered edge Cement Concrete paver blocks of required strength, thickness and size/shape, made by table vibratory method using PU mould, laid in required colour and pattern over 50mm thick compacted bed of stone dust, compacting and proper embedding/laying of inter locking paver blocks into the bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand including locking edges with M 15 cement concrete in footpath, parks, lawns, drive ways or light traffic parking etc. complete as per manufacturer's specifications and direction of Engineerin- Charge. : 60mm thick C.C. paver block of M-35 grade with approved colour, design and pattern.	1000.000	sqm	900.00	900000.00

Item No	Item Description	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
25.00	Providing and laying Pitching on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications : Stone/Boulder	40.000	cum	3000.00	120000.00
26.00	Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) : Flush/ Ruled pointing	300.000	sqm	200.00	60000.00
27.00	Providing and fixing G.I. wire chain link fabric fencing of required width and mesh size including strengthening with 2mm dia wire or nuts, bolts and washers as required complete with posts of specified material and of standard design placed and embedded in cement concrete blocks 45x45x60cm size. Every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and struts embedded in cement concrete blocks 70x45x50cm of the same mix, as per the direction of Engineer-in-charge. (Cost of post, painting, earthwork & c.c. to be paid separately)	400.000	kg	120.00	48000.00
28.00	Supplying at site: R.C.C. Standard post/ struts/rails/ poles of mix 1:1.5:3 (1 cement : 1.5 sand : 3 graded stone aggregate 12.5 mm nominal size) with wooden plugs or 6mm bar nibs wherever required as per direction of Engineer-in-charge including fixing (cost of earth works in excavation, concrete works in foundation to be paid separately).	6.000	cum	9000.00	54000.00
29.00	Providing and fixing 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, polishing, nosing, etc. complete with base of cement mortar 1 : 4 (1 cement : 4 sand) 20 mm thick.(Area of slab to be over 0.25sqm)	450.000	sqm	1000.00	450000.00
30.00	Providing and fixing 18mm thick gang saw cut mirror polished (premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing moulding and polishing to edge to give high gloss finish on one / two sides wherever required etc. complete at all levels. Samples approved by Engineer-in Charge. Granite fine grained dark crystal of other colours and various patterns.	10.000	sqm	3500.00	35000.00
31.00	Providing and erecting Structural steel work using M.S. flats, angles, channels I-section, H-section etc. riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat and two coats of synthetic enamel paint of approved brand, etc. all complete.	7000.000	kg	90.00	630000.00
32.00	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rail of T-iron 40x40x6mm with 40mm dia steel pulleys complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer. Rate includes recess cutting in floor and making good the same wherever required.	5.000	sqm	10000.00	50000.00
33.00	Road marking with Hot applied Thermoplastic compound with Reflectorising Glass beads on Concrete Surface :Providing and applying (Cleaning of concrete surface and after applying Concrete primer) thermoplastic compound having composition of binder (Regin) minimum 18%, titanium dioxide minimum 10% and intermixed glass bead, minimum 30% of brand like Asian, Burgerof equivalent make of 2.5 mm thick including drop down reflectorizing, glass beads @ 250 gms per sqm area thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35 along with concrete primer. The finished surface to level, uniform and free from streaks and holes, all complete as per clause 803 of specifications. Note :- The guarantee of Thermoplastic should be minimum 3 Years.	1000.000	sqm	500.00	500000.00

Item No	Item Description	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
34.00	Providing and fixing of <u>road stud</u> 100x 100 mm, die cast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS 873 part 4:1973	100.000	each	250.00	25000.00
35.00	Providing and laying non pressure <u>NP2 class (light duty) R.C.C. pipes</u> with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 sand) including testing of joints etc. complete : 300 mm dia. R.C.C. pipe	50.000	metre	900.00	45000.00
36.00	Providing and laying Non Pressure <u>NP-3 class (Medium duty) R.C.C. pipes</u> including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 450 mm dia RCC pipes.	25.000	metre	1400.00	35000.00
37.00	Providing and fixing <u>Chlorinated Polyvinyl Chloride (CPVC) pipes</u> , having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings /c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Exposed on wall nternal work - Exposed on wall				
37.01	15 mm nominal outer dia .Pipes.	100.000	meter	150.00	15000.00
37.02	20 mm nominal outer dia .Pipes.	100.000	meter	250.00	25000.00
38.00	Providing and fixing unplasticised <u>Rigid PVC soil and waste pipes</u> conforming to IS: 13592 Type B including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. Single socketed pipes for working pressure of 4 kg/sqcm. (minimum wall thickness 3.2mm)				
38.01	75 mm diameter (minimum wall thickness 3.2mm)	50.000	meter	110.00	5500.00
38.02	110 mm diameter (minimum wall thickness 3.2mm)	50.000	meter	150.00	7500.00
39.00	Providing and fixing <u>C.P. brass angle valve</u> for basin mixer and geyser points of approved quality conforming to IS:8931 <u>15 mm</u> nominal bore	5.000	each	250.00	1250.00
40.00	Providing and fixing <u>C.P. brass bib cock</u> of approved quality conforming to IS: 8931, 15 mm nominal bore.	5.000	each	300.00	1500.00
41.00	Providing and fixing <u>C.P. brass stop cock</u> (concealed) of standard design and of approved make conforming to IS: 8931. <u>15 mm</u> nominal bore.	5.000	each	450.00	2250.00
42.00	Providing and fixing <u>gun metal gate valve</u> with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	5.000	each	1000.00	5000.00
43.00	Providing and fixing <u>UPVC trap</u> of self cleaning design complete. Including cost of cutting and making good the wall and floors. 100 mm inlet and 75 mm outlet	5.000	each	600.00	3000.00
44.00	Providing and fixing square-mouth <u>S.W. gully trap</u> class SP1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design : 150 x 100 mm size P type. With well burnt bricks	5.000	each	1500.00	7500.00
45.00	Providing and placing on terrace (at all floor levels) <u>polyethylene water storage tank</u> ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	5000.000	liter	7.50	37500.00
46.00	Replacement of old damaged polyethelene cover for water storage tank by <u>providing and fixing polyethelene cover for water Storage Tank with PVC bolts and nuts and locking arrangement</u> all complete as directed by the Engineer-in-charge: Circular shape	50.000	Nos	500.00	25000.00

Item No	Item Description	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
47.00	Providing and fixing white vitreous china <u>flat back or wall corner type</u> lipped front <u>urinal basin</u> of 430x260x350mm or 340x410x265mm sizes respectively.	5.000	each	1000.00	5000.00
48.00	Providing and fixing <u>wash basin</u> 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 required : White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps. White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps.	5.000	each	2500.00	12500.00
49.00	Providing and fixing <u>water closet squatting pan (Indian type W.C. pan)</u> with 100mm sand cast Iron P or S trap, uPVC 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 580x440mm with integral type foot rests.	10.000	each	3000.00	30000.00
50.00	Providing and fixing white vitreous china pedestal type water closet (<u>European type W.C. pan</u>) 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	10.000	each	3500.00	35000.00
51.00	Providing and fixing <u>mirror of superior glass</u> (of approved quality) and of required shape and size with plastic moulded frame of approved make and shape with 6 mm thick hard board backing: Rectangular shape 453x357mm	10.000	sqm	500.00	5000.00
52.00	Excavation and installation of <u>RCC Septic Tank</u> with cover complete as per drawing and as directed by Engineer-in-Charge.	5.000	each	20000.00	100000.00
53.00	Providing and fixing panelling or panelling and <u>glazing</u> in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick : 4 mm thick glass pane (weight not less than 10 kg/sqm)	40.000	sqm	1150.00	46000.00
54.00	<u>Dismantling of Cement Concrete</u> Pavement by mechanical means using pneumatic tools, cutter breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials up to a lead of 1000 metres, stacking serviceable and unserviceable materials separately	10.000	cum	1500.00	15000.00
55.00	Providing and fixing of 3 seater precast RCC <u>bench</u> made of grade M-35 concrete including excavation, embedding legs in the soil, compaction, ect. complete with all labour and materials as directed by Engineer-in-charge. Size: 1. Length 1500mm, 2. Bottom slab width 400-450mm, Thickness 50-70 mm, 3. Back support height 350-400mm, Thickness 50-60mm. 4. Support Thickness - 100mm 5. Total height 1000 mm.	10.000	each	5000.00	50000.00
56.00	Emulsion for POST- CONSTRUCTIONAL <u>anti-termite treatment</u> (excluding the cost of chemical emulsion): Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc. With Chlorpyrifos/ Lindane E.C. 20% with 1% concentration.	10000.000	metre	30.00	300000.00
57.00	Supplying <u>chemical emulsion</u> in sealed containers including delivery as specified. (Chlorpyrifos/ Lindane emulsifiable concentrate of 20%)	225.000	liter	300.00	67500.00

Item No	Item Description	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
58.00	Providing services to accomplishing the tasks as assigned and directed by Engineer-in-charge by supplying of various categories of labours on task basis. Note : A task would mean 8 hours of duty including half an hour of lunch time.				
58.01	Un-Skilled Labour	200.000	Task	800.00	160000.00
58.02	Semi-Skilled Labour	40.000	Task	850.00	34000.00
58.03	Skilled Labour	40.000	Task	1000.00	40000.00
59.00	Supply of Hydraulic Excavator (3D) with driver and fuel. (8 hours per day)	25.000	Day	20000.00	500000.00
60.00	Supply of Tractor 45 HP with driver trolley and fuel. (8 hours per day)	25.000	Day	3000.00	75000.00
61.00	Supplying and stacking at site dump manure from approved source including all lead etc. complete (manure measured in stacks will be reduced by 8% for payment): Screened through sieve of IS designation 4.75 mm	170.000	cum	500.00	85000.00
62.00	Supply and stacking of Tree plants of height 105-120 cm. in big poly bags of size 25 cm as per direction of the officer-in-charge : Ashoka, Champa, Gulmohar, Neem, Siris, Shisham, Mango, Bakul, Paras Pipal, Amla, Amrud, Kadam.	500.000	Each	150.00	75000.00
63.00	Plantation of Trees, Shrubs, and Hedge at site i/c watering and removal of unserviceable material's as per direction of officer in charge including Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any with all leads and lifts (cost of plant, manure, sludge or extra good earth if needed to be paid for separately): Tree plant: Holes 45 cm dia and 45 cm deep.	500.000	each	50.00	25000.00
64.00	Complete maintenance of trees (Out side garden), jobs like making of basin at regular interval i/c watering, weeding, pruning & application of dump manure, fertilizer, Insecticide, Pesticide etc, as per direction of Engineer-in- charge. This item includes the cost of fertilizer, Insecticide, Pesticide, T & P material/articles but excluding the cost of dump manure.	24.000	Per month w	45000.00	1080000.00
65.00	Complete maintenance of the entire garden features having as per yard stick in the garden area i.e. lawn trees, shrubs, herbs, edge, flower beds, follages, creepers etc. including hoeing, weeding, pruning, replacement of plants, gap filling, watering, mowing of lawn, grass cutting by lawn mover and brush cutter, removal of garden waste, applying insecticide, pesticide & fertilizers (whenever required) top dressing of lawn with good earth and manure and maintenance of other garden related works as directed by Engineer-in- charge. This item includes the cost of Fertilizer, Insecticide, Pesticide, lawn mover and brush cutter with fuel and other T & P material/articles but excludes the cost of dump manure.	50000.000	Per Sqm/per	38.00	1900000.00
66.00	Providing and fixing M. S. tree guard of required diameter in plan, height depth etc. as directed by Engineer-in-charge. The tree guard shall be fixed to the ground by making suitable holes and by embedding three corner legs in the ground, including refilling the earth, compaction etc. complete. The tree guard shall be painted with two or more coats of synthetic enamel paint of approved brand and manufacture over a coat of primer, complete in all respect. The rates shall be inclusive of all costs including excavation, refilling, painting, etc.	5000.000	Kg	120.00	600000.00
67.00	Supply of alloy steel pad locks of 65mm diameter minimum 5 levers of "Harrison" brand or equivalent.	700.000	each	200.00	140000.00

Item No	Item Description	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
68.00	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm + 0.05 %, total coated thickness with zinc coating 120 gsm as per IS: 277 in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	250.000	Sqm	600.00	150000.00
69.00	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm + 0.05 % total coated thickness, Zinc coating 120gsm as per IS: 277 in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :				
69.01	Ridges plain (500 - 600mm).	25.000	Meter	300.00	7500.00
69.02	Gutter .(600 mm over all girth).	50.000	Meter	400.00	20000.00
70.00	Boring, Providing and installing cast in situ <u>single under reamed piles</u> of specified diameter and length below pile cap in M-25 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring and the length of the pile to be embedded in pile cap etc. all complete for 300mm dia pile.(Length of pile for payment shall be measured upto the bottom of pile cap).	100.000	Meter	3500.00	350000.00
71.00	Extra over item 68 for providing <u>additional bulb</u> in under reamed piles for 300mm dia (only the quantity of extra bulbs are paid).	40.000	each	2500.00	100000.00
72.00	Provision for <u>Re-winding of submersible Motor</u> of any diameter i/c cost of material, labour, transportation etc. complete in case of breakdown maintenance as per approved specification and as directed by Engineer in charge	8.000	Job	5000.00	40000.00
73.00	Provision for <u>Repairing of submersible pump</u> of any diameter i/c cost of material, labour, transportation etc. in case of breakdown maintenance as per approved specification and as directed by Engineer in charge	8.000	Job	2000.00	16000.00
74.00	Provision for <u>Repairing of Starter/ control panel</u> i/c cost of material, labour, transportation etc. complete as per approved specification and as directed by Engineer in charge	8.000	Job	1000.00	8000.00
75.00	Provision for <u>Repairing of old existing CI Sluice Valve</u> i/c repairing of spindle, check nut, changing of gland, lathe work as per requirement, changing of nut bolt, rubber sheet etc. complete as per approved specification and as directed by Engineer in charge.	25.000	Job	1200.00	30000.00
76.00	Provision for <u>Repairing of HDPE Pipe</u> of any diameter for cut, leakage, puncture etc. by providing all fittings and fixtures like couplers, required pipes etc. including excavation, filling, dewatering, cleaning, jointing with necessary tools, fusion machine etc. complete as per approved specification and as directed by Engineer in charge.	50.000	Job	500.00	25000.00
77.00	<u>Repairing of Hand Pumps</u> including cost of labour, replacement of unserviceable parts such as washer, cylinder, riser pipe, link rod either one or more parts as the case may be along with overhauling, minor repairing work and transportation etc. as per approved specification and as directed by Engineer-in-charge.	10.000	Job	1000.00	10000.00
78.00	Providing <u>painting and figuring of road sign board</u> including painting of master plan of R&R colony etc. as per drawings and direction by Engineer-in-charge (excluding post/ kerbs): Two coats on New/Old boards	30.000	sqm	300.00	9000.00

Item No	Item Description	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
79.00	Maintenance/Replacement of the installed tubelights either by repairing or replacing them with new ones in case if any of the existing tubelights don't work gets fused or found missing. This item includes the cost of all necessary fixtures and fittings etc. required for making all the tubelights in working condition. The work shall be carried out as per approved specifications and as directed by Engineer in charge.				
79.01	<u>Repairing and Maintenance of existing tubelights</u> including all required materials, fittings and fixtures etc. for making the tubelights in workable condition.	25.000	each	100.00	2500.00
79.02	<u>Replacing old one which is not repairable, with new one</u> including all required materials, fittings and fixtures etc. for making the tubelights in workable condition by <u>Supplying, fixing and testing of T- 5 lamp Batten type Tube fitting with epoxy white</u> powder coated CRCA sheet steel / PVC complete with electronic ballast (HF), rotor holders, duly wired fixing wall/ceiling on PVC clamp/round plate with necessary materials complete as required. : T - 5 Lamp 1 X 18 watt LED	50.000	each	800.00	40000.00
80.00	Maintenance/Replacement of the installed ceiling fans either by repairing or replacing them with new ones in case if any of the existing ceiling fans don't work gets fused or found missing. This item includes the cost of all necessary fixtures and fittings etc. required for making all the ceiling fans in working condition. The work shall be carried out as per approved specifications and as directed by Engineer in charge.				
80.01	<u>Repairing and Maintenance of installed ceiling fans</u> including all required materials, fittings and fixtures etc. for making the ceiling fans in workable condition.	50.000	each	400.00	20000.00
80.02	<u>Replacing old one which is not repairable, with new one</u> including all required materials, fittings and fixtures etc. for making the ceiling fans in workable condition by <u>Supplying, erection and testing of approved make electric Ceiling fan</u> of double ball bearing complete with standard down rod, canopy, hanging shackle, Aluminium blades, without regulator, A.C. 230-250 volts including connections with all necessary material complete of approved as required confirming to IS :374/2019 with upto date amendments: Ceiling Fan (ISI marked)-1200 mm Sweep, with minimum air delivery 210 m³/min and service value ≥ 4.00 as per BEE.	25.000	each	2000.00	50000.00
81.00	Maintenance/Replacement of the installed Led Bulbs either by repairing or replacing them with new ones in case if any of the existing Led Bulbs don't work gets fused or found missing. This item includes the cost of all necessary fixtures and fittings etc. required for making all the Led Bulbs in working condition. The work shall be carried out as per approved specifications and as directed by Engineer in charge.				
81.01	<u>Repairing and Maintenance of installed Led Bulbs</u> including all required materials, fittings and fixtures etc. for making the Led Bulbs in workable condition.	25.000	each	50.00	1250.00
81.02	<u>Replacing old one which is not repairable, with new one</u> including all required materials, fittings and fixtures etc. for making the Led Bulbs in workable condition by <u>Supply and fixing of 1 X 18 watts CFL/ LED bulb.</u>	50.000	each	300.00	15000.00
82.00	Maintenance/replacement of the installed MCB/MCCB/RCCB/ELCB either by repairing or replacing them with new ones in case if any of the existing MCB/MCCB/RCCB/ELCB don't work, gets damaged or found missing. This item includes the cost of all necessary fixtures and fittings required for making all type MCB/MCCB/RCCB/ELCB in workable condition. The work shall be carried out as per approved specification and as directed by Engineer in charge.				

Item No	Item Description	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
82.01	Repairing and Maintenance of existing MCB/MCCB/RCCB/ELCB including all required materials, fittings and fixtures etc. for making the existing MCB/MCCB/RCCB/ELCB in workable condition.	15.000	each	200.00	3000.00
82.02	Replacing old one which is not repairable, with new one by Supplying and fixing of all type and all capacity 10/ 16/ 20/ 32 AMP MCB/MCCB/RCCB/ELCB including all fittings and fixtures.	10.000	each	1000.00	10000.00
83.00	Maintenance/replacement of the installed electrical lighting points, fan points etc. either by repairing or replacing them with new ones in case if any of the existing electrical lighting points, fan points etc. don't work, gets damaged or found missing. This item includes the cost of wires, electronic regulators, switches etc. including all necessary fixtures and fittings required for making all the electrical lighting points, fan points etc. in workable condition. The work shall be carried out as per approved specification and as directed by Engineer in charge.				
83.01	Repairing and Maintenance of existing installed electrical lighting points, fan points etc. including all required materials, fittings and fixtures etc. for making the electrical lighting points, fan points in workable condition.	15.000	each	30.00	450.00
83.02	Replacing old one which is not repairable, with new one: Point wiring (excluding metallic switch box & sheet but including switches, sockets, lamp holders/ceiling roses etc) with 1.5sq. mm.PVC insulated cable FRLS with copper multi strand conductor ISI marked in concealed rigid P.V.C. conduit (HMS) ISI marked of suitable size and 1.5sq. mm. PVC insulated FRLS copper earth continuity conductor of green colour inside conduit, screwless connector for joints etc. as required as per specification for : Light point/fan points.	10.000	each	500.00	5000.00
84.00	Maintenance/replacing of the installed 16mt High Mast Lighting sytems either by repairing or replacing them with new ones in case if any of the existing 16mt High Mast Lighting sytems don't work, gets damaged or found missing. This items includes the cost of floodlights, control gear and all necessary fixtures and fittings required for making High Mast Lighting systems in workable condition. The work shall be carried out as per approved specification and as directed by Engineer in charge.				
84.01	Repairing and Maintenance of existing installed 16mt High Mast Lighting sytems including all required materials, fittings and fixtures etc. for making the existing 16mt High Mast Lighting systems in workable condition.	8.000	each	800.00	6400.00
84.02	Replacing old one which is not repairable, with new one by Supplying, fixing & testing of approved make of integral type SV/MH compact flood light fitting consisting of cast aluminum housing complete with all accessories such as aluminum reflector, lamp holder heat resisting toughened clear glass cover and mounting bracket with aiming disc, including fixing & connections as required position with all necessary materials required, suitable for single / double ended lamp 400 Watt S.V./ M.H. Lamp (Tubular Lamp).	16.000	each	3500.00	56000.00
85.00	Maintenance/replacing of the installed flood light with high power LED etc. either by repairing or replacing them with new ones in case if any of the existing flood light with high power LED don't work gets fused or found missing. This items includes the cost of all necessary fixtures and fittings including required for making all the flood light with high power LED in workable condition. The work shall be carried out as per approved specification and as directed by Engineer in charge.				

Item No	Item Description	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
85.01	Repairing and Maintenance of existing installed flood light with high power LED including all required materials, fittings and fixtures etc. for making the existing flood light with high power LED, or Street Lights etc. in workable condition.	15.000	each	1000.00	15000.00
85.02	Replacing old one which is not repairable, with new one by Supplying and fixing flood light with high power LED of 3 to 6 Watt each assembled on single MCPCB and additional unique peanut lens on each LED, system lumens output with efficacy>120 lm/Watt. luminaire having color temp upto 6500K & 50000 hrs. burning life with minimum @ L 70, The colour rendering index of LED light should be more than 70. Luminaire comprises of driver, PF > 0.95 & surge protection 10KV. Housing made of pressure die cast aluminium with heat resistant flat glass, IP65 protection. Submission LM 79-08/IS16106 (2012), IEC60598, IEC61347i/c connection wire, testing etc. to complete the job. 30Watt, color temp 3000-6500k as required.	15.000	each	2000.00	30000.00
86.00	Maintenance/replacing of the installed Street Lights etc. either by repairing or replacing them with new ones in case if any of the existing Street Lights etc. don't work gets fused or found missing. This items includes the cost of all necessary fixtures and fittings including required for making all Street Lights etc. in workable condition. The work shall be carried out as per approved specification and as directed by Engineer in charge				
86.01	Repairing and Maintenance of existing installed Street Lights with high power LED including all required materials, fittings and fixtures etc. for making the existing Street Lights with high power LED in workable condition.	40.000	each	1500.00	60000.00
86.02	Replacing old one which is not repairable, with new one street light with high power LED system by Supply and fixing street light with high power LED of 3 to 6 Watt each on existing bracket assembled on single MCPCB and additional unique peanut lens on each LED, system lumens output with efficacy>120 lm/Watt. luminaire having color temp upto 6500K & 50000 hrs. burning life with minimum @ L 70, The colour rendering index of LED light should be more than 70. Luminaire comprises of driver, PF> 0.95 & surge protection 10KV. Housing made of pressure die cast aluminium with heat resistant flat glass, IP65 protection. Submission LM 79-08/IS16106 (2012), IEC60598, IEC61347 i/c connection wire, testing etc. to complete the job. 90Watt, color temp 3000-6500k as required	120.000	each	12500.00	1500000.00
87.00	Supplying and fixing FRLS insulated unsheathed industrial flexible cable conforming to IS 694: 2010 with bright annealed copper conductor for voltage grade 1100 volts.				
87.01	1.50 Sq. mm - 3 core	300.000	meter	150.00	45000.00
87.02	2.50 Sq. mm - 3 core	300.000	meter	200.00	60000.00
87.03	4 Sq. mm- 3 core	100.000	meter	300.00	30000.00
88.00	Supply, installation, testing & commissioning of 3 Phase, 100 A Tri- Vecto Meter .	1.000	each	25000.00	25000.00
	Total (In Rs.)				3,41,21,800.00

(Rupees Three Crore Forty One Lakh Twenty One Thousand Eight Hundred Only)
