



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

No. AAI/CLT/DGM/ENGG-C/AMC/COLONY/2023-24 / 679

दिनांक Date: 30.05.2023

सेवा में To

By Hand /Fax

By Reg. post with A/D

मैसर्स सुमन फैब्रिकेटर्स एंड कॉन्ट्रैक्टर्स/M/s Suman Fabricators & Contractors,

प्लॉट नंबर 131, नियर। एन.टी.एस. गेट, / Plot No.131, Near. N.T.S. Gate,

पोड्सिरो वाडा, आल्तो बोगमालो, / Podsiro Wada, Alto Bogmalo,

गोवा - 403806/ Goa - 403806

कार्य का नाम /Name of Work: कालीकट अंतरराष्ट्रीय हवाई अड्डे पर 2023-'24, 2024-'25 के दौरान ए/आर एंड एम/ओ सिविल वर्क्स। एसएच: एएआई आवासीय कॉलोनी में सिविल कार्यों के लिए वार्षिक रखरखाव अनुबंध। / A/R & M/O Civil Works during 2023-'24, 2024-'25 at Calicut International Airport.SH: Annual Maintenance Contract for civil works in AAI residential colony.

संदर्भ Ref : 1). टेंडर सं Tender ID No- 2023_AAI_151195

2).दिनांक12.05.2023को खुला हुआ आपका टेंडर Your Tender opened on. DT: 12.05.2023

महोदय Sir,

- उपरोक्त कार्य के लिए आपकी ई-निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आपके द्वारा उद्धृत प्रतिशत दर पर ₹50,00,000.00 (जीएसटी को छोड़कर) (रुपये पचास लाख मात्र) की राशि के लिए स्वीकार की जाती है, जो -4.90% है। (चार दशमलव नौ प्रतिशत से कम) आइटम नंबर 58,59 और 60 को छोड़कर सभी डीएसआर 2021 आइटम और अतिरिक्त आइटम 1 से 67 की दरों के कम। Your e-tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India for an amount of ₹50,00,000.00 (Excluding GST)(Rupees Fifty Lacs Only) at the percentage rate quoted by you which is -4.90% (Four point Nine Percentage below) on the rates of all DSR 2021 items and additional items 1 to 67 except item No.58,59 and 60
- उप.महा प्रबंधक(इंजी-सिविल)/व.प्रबंधक(इंजी-सिविल), भा.वि.प्रा, कालीकट अंतरराष्ट्रीय हवाई अड्डा, कालीकट कार्य का अभियंता प्रभारी होगा। आपसे अनुरोध है कि उप.महाप्रबंधक इंजीनियरिंग [सिविल] भा वि प्रा, कालीकट अंतरराष्ट्रीय हवाई अड्डे कार्यालय में 16.06.2023 तक हस्ताक्षर करने और अनुबंध समझौते को पूरा करने के लिए उपस्थित हों। ठेका अनुबंध 200.00 रुपये (केवल दो सौ रुपये) के गैर-न्यायिक स्टाम्प पेपर पर निष्पादित किया जाएगा और स्टाम्प पेपर की लागत आपके द्वारा वहन की जाएगी। Dy.Gen.Manager-Engg[C], AAI, Calicut Intl. Airport, Calicut, shall be the Engineer – in- charge of the work. You are requested to attend the office of Dy. Gen. Manager Engg [C], AAI, Calicut Intl. Airport by 16.06.2023 to sign and complete the contract agreement. The contract agreement shall be executed on a non-

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कालीकट अंतरराष्ट्रीय हवाईअड्डा
Calicut International Airport

कालीकट हवाईअड्डा (डा.घ),
Calicut Airport (P.O),



केरल-673647
Kerala-673647

दूरभाष/Phone : 0483-2711 325
फैक्स/Fax : 0483-2711 406

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judicial stamp paper of value Rs.200.00 (Rupees Two Hundred only) and the cost of the stamp paper shall be borne by you.

- 3) कृपया इस पत्र के जारी होने के 10 दिनों के भीतर सुरक्षा जमा के रूप में ₹5,00,000 (रुपये पांच लाख मात्र) जमा करें, ऐसा न करने पर, पृष्ठ अनुबंध दस्तावेज़ का GCC-16 पर शर्त खंड 1 ए के अनुसार काट लिया जाएगा।
I Please deposit ₹5,00,000 (Rupees Five lacs Only) towards Security Deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted as per condition of Clause 1 A on page GCC-16 of the contract document.
- 4) आपसे अनुरोध है कि अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और अनुबंध श्रम (विनियमन और उन्मूलन) केंद्रीय नियम 1971 बाल श्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण श्रमिकों (रोजगार और सेवा की शर्तों का विनियमन) के प्रावधानों का पालन करें। अधिनियम 1996, भवन एवं अन्य सन्निर्माण कर्मकार कल्याण उपकर अधिनियम 1996 जैसा कि निविदा के जीसीसी के पृष्ठ संख्या 49-50 के खंड 19 में विनिर्दिष्ट है तथा केंद्र एवं राज्य सरकार के नियम। You are requested to comply with the provision of Contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central rules 1971, Child Labour (prohibition & regulation) act 1986, Construction Workers (Regulation of Employment and Condition of Service) Act 1996, Building and other construction Workers Welfare Cess Act 1996 as specified in Clause 19 on page no 49-50 of GCC of tender and rules of Central and State Governments.
- 5) आपको तुरंत प्रबंधक इंजीनियरिंग-(सिविल) से संपर्क करने का भी निर्देश दिया जाता है, जो आपको साइट सौंपने की व्यवस्था करेगा। You are also directed to contact **Manager [Engg-Civil]** immediately, who will arrange to hand over the site to you.
- 6) कृपया ध्यान दें कि कार्य करने के लिए अनुमत समय 18 (अठारह) महीने होगा और इसकी गणना 01.06.2023 से की जाएगी। Please note that the time allowed for carrying out the work shall be **18 (Eighteen) Months** and the same shall be reckoned from **01.06.2023**.
- 7) अनुबंध के संबंध में कोई और पत्राचार सामान्य रूप से प्रभारी अभियंता को संबोधित किया जाना चाहिए। Any further correspondence in connection with the contract should normally be addressed to the Engineer – in –charge.
- 8) कृपया रसीद की पावती दें और इसके साथ संलग्न इस पत्र की डुप्लीकेट प्रति हस्ताक्षर करने के बाद अधोहस्ताक्षरी को स्वीकृति के प्रतीक के रूप में लौटा दें। 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.

भवदीय Yours faithfully,

संलग्न Encl: BOQ 11 Pages

उप महाप्रबंधक इंजी(सिविल) Dy.Gen.Manager Engg (C)
भाविप्रा, कालीकट अंतर्राष्ट्रीय हवाई अड्डा AAI, Calicut Intl Airport
अध्यक्ष की ओर से On behalf of Chairman

Note :In case of any discrepancy English version will be treated as valid.

प्रतिलिपि Copy to:

आंतरिक Internal:

ई-मेल द्वारा Through Email:-

1. विमानपत्तन निदेशक, भाविप्रा, कालीकट अंतर्राष्ट्रीय हवाई अड्डा Airport Director, AAI, Calicut Intl. Airport
2. उ.म.प्र(वित्त), भाविप्रा, कालीकट अंतर्राष्ट्रीय हवाई अड्डा Dy. Gen. Manager (Fin), AAI, Calicut Intl. Airport
3. वरिष्ठ प्रबंधक-इंजी(सिविल), भाविप्रा, कालीकट अंतर्राष्ट्रीय हवाई अड्डा Senior.Manager-Engg [C], AAI, Calicut Intl. Airport
4. प्रबंधक-इंजी(सिविल), भाविप्रा, कालीकट अंतर्राष्ट्रीय हवाई अड्डा Manager-Engg [C], AAI, Calicut Intl. Airport
5. कार्य फाईल Works file

बाहरी / External:

1. संम.प्र(सतर्कता), व, प्रशासनिक बिल्डिंग, चेन्नै हवाई अड्डा, चेन्नै Jt. Gen.Manager (Vigilance), Sr, Admn. Building Chennai Airport, Chennai.
2. क्षेत्रीय भविष्य निधि आयुक्त , कलीकट, केरला Regional Provident Fund Commissioner, Kozhikkode, Kerala.
3. कर्मचारी राज्य बीमा निगम, कालीकट, केरला Employees State Insurance Corporation, Kozhikkode, Kerala.

भवदीय Yours faithfully,

उप महाप्रबंधक इंजी(सिविल) Dy.Gen.Manager Engg (C)
भाविप्रा, कालीकट अंतर्राष्ट्रीय हवाई अड्डा AAI, Calicut Intl Airport
अध्यक्ष की ओर से On behalf of Chairman

Note :In case of any discrepancy English version will be treated as valid.

Schedule of Quantities

**A/R & M/O Civil Works during 2023-'24, 2024-'25 at Calicut International Airport.
SH : Annual Maintenance Contract for civil works in AAI residential colony**

Item No.	Description	Unit	Rate (Rs.)
A	All DSR 2021 Items	As per DSR 2021	
B	ADDITIONAL MISCELLANEOUS ITEMS		
1	Cleaning of underground surface water tanks (inside surface area) with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the tank body with the help of stencil and paint and disposing of malba all complete as per direction of Engineer-in-Charge. Capacity of tank up to and including 50,000 litre (if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account)	each	4763.49
2	Cleaning of underground surface water tanks (inside surface area) with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the tank body with the help of stencil and paint and disposing of malba all complete as per direction of Engineer-in-Charge. Capacity of tank above 50,000 and upto 1,25,000 litre (if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account)	each	6952.27
3	Cleaning of underground surface water tanks (inside surface area) with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the tank body with the help of stencil and paint and disposing of malba all complete as per direction of Engineer-in-Charge. Capacity of tank above 1,25,000 litre and up to 3,00,000 litre (if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account)	each	9615.55

Item No.	Description	Unit	Rate (Rs.)
4	Cleaning of GI/MS/Masonry/Sintex overhead water tanks (inside surface area) at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre) (if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account) Above 2000 litre, up to 5000 litre capacity tank	each	1801.85
5	Cleaning of GI/MS/Masonry/Sintex overhead water tanks (inside surface area) at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre) (if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account) Above 5000 litre, up to 10,000 litre capacity tank	each	4489.69
6	Cleaning of GI/ MS/ Masonry/ Sintex overhead water tanks (inside surface area) at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre) (if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account) Above 10,000 litre, up to 50,000 litre capacity tank	each	5792.17

Item No.	Description	Unit	Rate (Rs.)
7	Cleaning of choked/blocked rain water pipe, soil waste pipe, vent pipe, manhole, sewerage pipe, gully traps EWC, IWC, Wash basin, kitchen sink, bottle traps, floor traps etc. of any diameter and sizes including removal of malba as directed by Engineer-in-charge. Manhole including connected soil waste/sewerage pipe up to the next manhole (rate including labours, pumping charge etc.)	each	794.66
8	Cleaning of choked/blocked rain water pipe, soil waste pipe, vent pipe, manhole, sewerage pipe, gully traps EWC, IWC, Wash basin, kitchen sink, bottle traps, floor traps etc. of any diameter and sizes including removal of malba as directed by Engineer-in-charge. Gully traps including connected soil waste/sewerage pipe up to the nearest manhole	each	163.18
9	Cleaning of choked/blocked rain water pipe, soil waste pipe, vent pipe, manhole, sewerage pipe, gully traps EWC, IWC, Wash basin, kitchen sink, bottle traps, floor traps etc. of any diameter and sizes including removal of malba as directed by Engineer-in-charge. EWC/IWC/ including urinal connected traps and soil waste pipe up to the nearest opening point in the soil waste pipe	each	51.56
10	Cleaning of choked/blocked rain water pipe, soil waste pipe, vent pipe, manhole, sewerage pipe, gully traps EWC, IWC, Wash basin, kitchen sink, bottle traps, floor traps etc. of any diameter and sizes including removal of malba as directed by Engineer-in-charge. Wash basin/kitchen sink including connected traps, floor traps etc.	each	36.42
11	Cleaning of choked/blocked rain water pipe, soil waste pipe, vent pipe, manhole, sewerage pipe, gully traps EWC, IWC, Wash basin, kitchen sink, bottle traps, floor traps etc. of any diameter and sizes including removal of malba as directed by Engineer-in-charge. Roof terrace cleaning including cleaning of rain water pipe inlets	sqm	1.88
12	Periodic testing of drinking water samples including collection of the samples from various sources and getting it tested from Kerala Water Authority for parameters listed in IS 10500-1991, as instructed by the engineer-in-charge.	each	1672.66
13	Laterite masonry with laterite stone blocks of size 0.35 x 0.21 x 0.20 with cement mortar 1 : 6 (1cement : 6 coarse sand including dressing of sides etc. complete as per the direction of Engineer-in-charge All works up to plinth level.	cum	5498.19

Item No.	Description	Unit	Rate (Rs.)
14	Laterite masonry with laterite stone blocks of size 0.35 x 0.21 x 0.20 with cement mortar 1 : 6 (1 cement : 6 coarse sand including dressing of sides etc. complete as per the direction of Engineer-in-charge Above plinth level up to floor V level	cum	6557.79
15	Dry laterite stone pitching with laterite stone blocks and preparing surface etc. complete.	sqm	807.33
16	Dry laterite stone pitching with laterite stone blocks issued by department free of cost at various stacked locations in the residential colony and preparing surface etc. complete. The rate is inclusive of loading, transporting/ carriage, unloading the blocks at site etc. for all lifts and lead up to 1km and nothing extra shall be paid in this regard.	sqm	210.45
17	Laterite masonry with available laterite stone blocks of size 0.35 x 0.21 x 0.20 with cement mortar 1: 6 (1 cement: 6 coarse sand including dressing of sides etc. complete as per the direction of Engineer in charge up to plinth level. The rate is inclusive of loading, transporting/ carriage, unloading the blocks at site etc. for all lifts and lead up to 1km and nothing extra shall be paid in this regard.	cum	2367.02
18	Laterite masonry with available laterite stone blocks of size 0.35 x 0.21 x 0.20 with cement mortar 1: 6 (1 cement: 6 coarse sand including dressing of sides etc. complete as per the direction of Engineer in charge above plinth level up to floor V level. The rate is inclusive of loading, transporting/ carriage, unloading the blocks at site etc. for all lifts and lead up to 1km and nothing extra shall be paid in this regard.	cum	3426.60
19	Random rubble masonry with available hard stone, issued by department free of cost at various stacked locations in residential colony, in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement: 6 coarse sand: 12 graded stone aggregate 20 mm nominal size) up to plinth level with: Cement mortar 1:6 (1 cement: 6 coarse sand)	cum	3472.93
20	Random rubble masonry with available hard stone, (issued by department free of cost at various stacked locations in residential colony), in superstructure above plinth level and up to floor five level, levelling up with cement concrete 1:6:12 (1 cement: 6 coarse sand: 12 graded stone aggregate 20 mm nominal size) at window sills, ceiling level and the like. Cement mortar 1:6 (1 cement: 6 coarse sand)	cum	4682.96
21	Providing and fixing CP brass waste coupling for wash basin and sink, of approved quality and make, as per the direction of Engineer-in-charge. Waste coupling 31/ 32 mm dia of 79 mm length and 62mm breadth	each	316.88

Item No.	Description	Unit	Rate (Rs.)
22	Providing and fixing 8 mm dia CP brass health faucet with flexible tube up to 1-metre-long to European Type W.C. of quality and make as per the direction of Engineer-in-charge.	each	575.01
23	Providing and fixing 15mm CP brass pillar cock, for wash basin, of approved make like Prayag or equivalent and quality conforming to IS 1068:1993, IS 8931: 1933	each	955.99
24	Supplying of CP brass angle cock of approved make like Prayag, Onida or equivalent as per the directions of Engineer in Charge 15mm nominal bore	each	295.09
25	Supplying of CP brass long body bib cock of approved make like Prayag H2O Evion or equivalent as per the directions of Engineer in Charge 15mm nominal bore	each	978.84
26	Supplying of CP brass bib cock of approved make like TOKO, Prayag or equivalent as per the directions of Engineer in Charge 15mm nominal bore	each	906.83
27	Supplying of CP brass sink cock of approved make like Prayag H2O Evion or equivalent as per the directions of Engineer in Charge 15mm nominal bore	each	1033.75
28	Supplying of CP brass 2 in 1 bib cock of approved make like Prayag H2O Evion or equivalent as per the directions of Engineer in Charge 15mm nominal bore	each	1284.84
29	Providing and fixing polyethylene water tank cover, for 500-1000 litre capacity tank, of approved make and quality conforming to IS 12701:1996 as directed by Engineer in Charge	each	92.18
30	Providing and fixing PVC pipes, conforming to IS 4985: 2000, in water line, sewer line, vent pipes (10 kg) etc. including all PVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement, laying them to required slope, and testing of joints complete as per direction of Engineer in Charge. 20mm outer dia	metre	91.05
31	Providing and fixing PVC pipes, conforming to IS 4985: 2000, in water line, sewer line, vent pipes (10 kg) etc. including all PVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement, laying them to required slope, and testing of joints complete as per direction of Engineer in Charge. 25mm outer dia	metre	101.83

Item No.	Description	Unit	Rate (Rs.)
32	Providing and fixing PVC pipes, conforming to IS 4985: 2000, in water line, sewer line, vent pipes (10 kg) etc. including all PVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement, laying them to required slope, and testing of joints complete as per direction of Engineer in Charge. 32mm outer dia	metre	120.98
33	Providing and fixing PVC pipes, conforming to IS 4985: 2000, in water line, sewer line, vent pipes (10 kg) etc. including all PVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement, laying them to required slope, and testing of joints complete as per direction of Engineer in Charge. 50mm outer dia	metre	189.61
34	Providing and fixing PVC pipes, conforming to IS 4985: 2000, in water line, sewer line, vent pipes (10 kg) etc. including all PVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement, laying them to required slope, and testing of joints complete as per direction of Engineer in Charge. 63mm outer dia	metre	249.01
35	Supplying PVC pipes (10 kg) of approved make and manufacture conforming to IS, including loading, delivery at site, unloading, carriage to respective work site etc. complete as per the direction of Engineer-in-charge 20mm outer dia	metre	22.58
36	Supplying PVC pipes (10 kg) of approved make and manufacture conforming to IS, including loading, delivery at site, unloading, carriage to respective work site etc. complete as per the direction of Engineer-in-charge 25mm outer dia	metre	30.87
37	Supplying PVC pipes (10 kg) of approved make and manufacture conforming to IS, including loading, delivery at site, unloading, carriage to respective work site etc. complete as per the direction of Engineer-in-charge 32mm dia	metre	45.59
38	Supplying PVC pipes (10 kg) of approved make and manufacture conforming to IS, including loading, delivery at site, unloading, carriage to respective work site etc. complete as per the direction of Engineer-in-charge. 40mm dia	metre	65.14

Item No.	Description	Unit	Rate (Rs.)
39	Supplying PVC pipes (10 kg) of approved make and manufacture conforming to IS, including loading, delivery at site, unloading, carriage to respective work site etc. complete as per the direction of Engineer-in-charge 50mm dia	metre	98.39
40	Supplying PVC pipes (10 kg) of approved make and manufacture conforming to IS, including loading, delivery at site, unloading, carriage to respective work site etc. complete as per the direction of Engineer-in-charge 63mm dia	metre	144.08
41	Supplying PVC pipes (10 kg) of approved make and manufacture conforming to IS, including loading, delivery at site, unloading, carriage to respective work site etc. complete as per the direction of Engineer-in-charge 110mm dia	metre	415.78
42	Supplying PVC pipes (10 kg) of approved make and manufacture conforming to IS, including loading, delivery at site, unloading, carriage to respective work site etc. complete as per the direction of Engineer-in-charge. 160 mm dia	metre	872.75
43	Supplying PVC pipes (6 kg) of approved make and manufacture conforming to IS, including loading, delivery at site, unloading, carriage to respective work site etc. complete as per the direction of Engineer-in-charge 40mm dia	metre	43.31
44	Supplying PVC pipes (6 kg) of approved make and manufacture conforming to IS, including loading, delivery at site, unloading, carriage to respective work site etc. complete as per the direction of Engineer-in-charge. 50mm dia	metre	61.33
45	Supplying PVC pipes (6 kg) of approved make and manufacture conforming to IS, including loading, delivery at site, unloading, carriage to respective work site etc. complete as per the direction of Engineer-in-charge. 63mm dia	metre	96.19
46	Supplying PVC pipes (6 kg) of approved make and manufacture conforming to IS, including loading, delivery at site, unloading, carriage to respective work site etc. complete as per the direction of Engineer-in-charge. 110mm dia	metre	267.45
47	Supplying PVC pipes (6 kg) of approved make and manufacture conforming to IS, including loading, delivery at site, unloading, carriage to respective work site etc. complete as per the direction of Engineer-in-charge. 160mm outer dia	metre	556.33

Item No.	Description	Unit	Rate (Rs.)
48	Fixing available glass or particle board panelling in aluminium door, partitions, window, ventilators etc. with a PVC neoprene gasket etc. complete as per the approved design and as per the direction of Engineer-in-charge. (Rate shall be excluding cost of glass and particle board)	sqm	477.11
49	Providing and fixing 6mm thick mirror of superior glass (of approved quality) and of required shape and size with studs as per the direction of Engineer-in-charge. The rate includes material, labour, machineries and fixing charges and nothing extra shall be payable.	sqm	1615.29
50	Complete maintenance of the lawn 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 the lawn as directed by office-in-charge (Cost of Good Earth, Manure, fertilizer, Insecticide, Pesticide will be provided by the Department & lawn mover and brush cutter with fuel and other T & P material/articles shall be provided by the contractor)	sqm	20.85
51	Maintenance of potted plant in earthen/ plastic/ cement pot displayed in residential colony, terminal or office complex including application of good earth, manure, insecticide, pesticide and fertilizer, removing of dry parts, weeds by pruning, cleaning dry leaves and displaying in appropriate place and replacement of broken pots, colouring of pots and change of location of pots and replacing with fresh plants as and when required (Materials provided by the department) as per direction of officer in charge.	each per month	53.31
52	Clearing of vegetation growth using grass cutting machine (The rate is inclusive of hire and running charges of grass cutting machine, cost of labour & fuel, over heads and contractor profit)	sqm	2.47
53	Providing and operating tipper of capacity 5.50 cum for transporting soil and excavated rock from one location to another within the premises of the work site to level the site, including transportation to and from the site of operation, fuel and driver charges and other incidental charges on this account etc. as directed by the Engineer-in-charge. (The payment will be based on the no. of days worked at the site for which one day will be calculated as 8 working hours.)	day	4493.07

Item No.	Description	Unit	Rate (Rs.)
54	Providing and operating the backhoe loader for levelling, cutting etc. in the residential colony including transportation to and from the site of operation, fuel and driver charges and other incidental expenses on this account etc. as directed by the Engineer-in-Charge. (The payment will be based on the number of hours worked at the site.)	hour	1298.00
55	Providing and operating the hydraulic excavator (3D) for levelling, cutting etc. in the residential colony including transportation to and from the site of operation, fuel and driver charges and other incidental expenses on this account etc. as directed by the Engineer-in-Charge. (The payment will be based on the number of hours worked at the site.)	hour	1996.92
56	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) of 0.35 mm thickness. The sheet shall be fixed using self-drilling /self-tapping screws of size (5.50 x 55 mm) with EPDM seal, complete up to 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 as per the directions of Engineer-in-Charge	sqm	516.58
57	Providing and fixing panelling 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) Particle Board 9 mm thick Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II, IS:12823 marked.	sqm	647.22
58	Providing unskilled/semi skilled workers for temporary nature of works/works unsuceptible to measure as and when required including necessary T&P. (Ex.works like shifting of store/office, verification of annual stock, filling water in desert cooler, shifting of materials to prevent encroachment on AAI land, survey work and other misc. works as directed by the Engineer-in-charge). Unskilled labour/helper	each	722.63
59	Providing unskilled/semi skilled workers for temporary nature of works/works unsuceptible to measure as and when required including necessary T&P. (Ex.works like shifting of store/office, verification of annual stock, filling water in desert cooler, shifting of materials to prevent encroachment on AAI land, survey work and other misc. works as directed by the Engineer-in-charge). Semi-skilled labour/helper	each	815.31

Item No.	Description	Unit	Rate (Rs.)
60	Annual operation and maintenance of all plumbing installations of residential colony like toilet fittings, sewer line, gully traps, manholes and other accessories by deploying trained manpower on all days including Sundays, public holidays and national holidays. The job includes day to day satisfactory operation of water supply, sanitary, sewage installations like tap leakages, preventive/corrective maintenance of minor problems, checking water levels in all storage tanks, ensuring sufficient quantity of water in all storage tanks, co-ordinating with electrical department for proper pumping if required etc., by deploying qualified and trained plumber who will be an employee of the contracting firm etc. complete as per the directions of Engineer-in-Charge. The deployed personnel should also check the complaint register daily and attend to the minor day to day complaints of the nature mentioned above in co-ordination with the residents. The rate shall be inclusive of necessary tools and equipment required and minor consumables like screws, nails, washers, nuts and bolts etc.	month	21198.19
61	Desilting and cleaning of storm water drain open/covered by first removing the RCC slabs on drain top where ever is there, then desilting of drain, disposal of debris/liquid mud up to a lead of 200 m away from site and re-fixing precast RCC slab in position	metre	40.69
62	Supplying liquid chlorine in 5 litre sealed cans for disinfecting the drinking water in pump house etc. complete. The rate is inclusive of material, loading & unloading charges, carriage etc. and nothing extra will be paid in this regard.	litre	72.74
63	Supplying alum in bulk for water treatment at pump house etc. complete. The rate is inclusive of materials, carriage, loading and unloading charges etc. and nothing extra shall be paid in this regard.	kg	82.71
64	Providing and applying PU grouting waterproofing treatment using Fosroc Nitofill WS 60 or approved equivalent which foams with water contact by high increase in volume and becomes a visco elastic foam sealing temporarily against further water penetration from cracks, joints etc. It shall be injected in to these water bearing areas by means of an electrical grouting pump of pressure 10000 psi, injection nozzles and handers. The item includes required staging material, labour consumables etc. as per direction of engineer-in-charge and as per the manufacturers' specifications.	kg	1232.86

Item No.	Description	Unit	Rate (Rs.)
65	Supplying PU grouting waterproofing treatment using Fosroc Nitofill UR 63 or approved equivalent for injecting into cracks in concrete or masonry, either wet or dry to form an elastic seal. When mixed in the proportions supplied and injected into cracks in concrete, the resin shall form a slightly flexible and impermeable barrier in both dry and damp conditions. It shall be injected in to these water bearing areas by means of an electrical grouting pump of pressure 10000 psi, injection nozzles and handers. The item includes required staging material, labour consumables etc. as per direction of engineer-in-charge and as per the manufacturers' specifications.	kg	1304.24
66	Providing and fixing injection packers into pre-drilled holes at intervals of 200mm to 500mm along the length of each crack for applying PU grouting. The work includes cost of packers, it's fixing charges, injection of grout and/ or resin, supplied by department free of cost, into the packers, staging if required and any other activity required for the waterproofing of the area unders consideration as per the direction of EIC.	each	499.23
67	Cleaning the quarter on vacation by resident prior to re-allocation and after completing all maintenance work listed by the inspection team or Engineer-in-charge. The quarter is to be cleaned off all debris, domestic waste, dust etc. and is to be broomed and mopped. All paint spillages are to be cleaned and all raw material used for maintenance work to be removed from the premises. The rate is i/c of all activities involved in making the quarter fit for accommodation and nothing extra will be paid in this regard.	sqm	14.23

*Percentage rate not applicable on item no 58, 59 & 60. The rates shown here only shall be payable.

METHOD OF PAYMENT

Amount of DSR 2021 items = A

Amount of additional items except item no. 58, 59 & 60 = B.

Amount considered for payment after adjusting GST, $C = (A+B)/1.1405$

Contractors¹ quoted percentage = X

Amount including contractors quoted percentage, $D = C \times (1+X/100)$

Amount of additional items no. 58, 59 & 60 = E

Total value of work done, $F = D + E$

GST @ 18% on work done, $G = F \times 18\%$

Total amount including GST = (F + G)

Percentage rate applicable over DSR 2021 items and Additional Items 1 to 67 except item No.58,59 and 60) mentioned above is 4.90% below (Four Point Nine below Only)

Item No.	Description	Unit	Rate (Rs.)
65	Supplying PU grouting waterproofing treatment using Fosroc Nitofill UR 63 or approved equivalent for injecting into cracks in concrete or masonry, either wet or dry to form an elastic seal. When mixed in the proportions supplied and injected into cracks in concrete, the resin shall form a slightly flexible and impermeable barrier in both dry and damp conditions. It shall be injected in to these water bearing areas by means of an electrical grouting pump of pressure 10000 psi, injection nozzles and handers. The item includes required staging material, labour consumables etc. as per direction of engineer-in-charge and as per the manufacturers' specifications.	kg	1304.24
66	Providing and fixing injection packers into pre-drilled holes at intervals of 200mm to 500mm along the length of each crack for applying PU grouting. The work includes cost of packers, it's fixing charges, injection of grout and/ or resin, supplied by department free of cost, into the packers, staging if required and any other activity required for the waterproofing of the area unders consideration as per the direction of EIC.	each	499.23
67	Cleaning the quarter on vacation by resident prior to re-allocation and after completing all maintenance work listed by the inspection team or Engineer-in-charge. The quarter is to be cleaned off all debris, domestic waste, dust etc. and is to be broomed and mopped. All paint spillages are to be cleaned and all raw material used for maintenance work to be removed from the premises. The rate is i/c of all activities involved in making the quarter fit for accommodation and nothing extra will be paid in this regard.	sqm	14.23

***Percentage rate not applicable on item no 58, 59 & 60. The rates shown here only shall be payable.**

METHOD OF PAYMENT

Amount of DSR 2021 items	= A
Amount of additional items except item no. 58, 59 & 60	= B
Amount considered for payment after adjusting GST, C	= (A+B)/1.1405
Contractors quoted percentage	= X
Amount including contractors quoted percentage, D	= C x (1+X/100)
Amount of additional items no. 58, 59 & 60	= E
Total value of work done, F	= D + E
GST @ 18% on work done, G	= F x 18%
Total amount including GST	= (F + G)
Percentage rate applicable over DSR 2021 items and Additional Items 1 to 67 except item No.58,59 and 60) mentioned above is 4.90% below (Four Point Nine below Only)	