

Name of Work: Scaling up the 1 MW Plant by additional 5 MW, Green Hydrogen Plant in DPA with capabilities to further enhance up to 10 MW in future by using Common Infrastructure Facilities – Civil Work

BOQ					
Sl. No.	Description	Unit	Quantities	Rate	Amount
1	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
a	a) 0.0 - 1.5 M depth	Cum	10979	₹ 200.80	₹ 22,04,583.20
b	b) 1.5 - 2.0 M depth	Cum	3084	₹ 273.95	₹ 8,44,861.80
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	6932	₹ 177.77	₹ 12,32,301.64
3	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.	Cum	10823	₹ 287.91	₹ 31,16,049.93
4	READY MIX NON-SHRINK FLOWABLE CEMENTITIOUS GROUT of reputed manufacturer to be applied under equipment/ structure base plates etc. and for anchor bolt sleeves/ pockets etc. including chipping the concrete surface, cleaning, laying, finishing the surfaces smooth, curing etc. complete as per directions of Engineer-in-charge and as specified Minimum crushing strength of 40 N/ mm ² and /or one grade higher than base concrete.	Cum	3	₹ 30,238.00	₹ 90,714.00
5	Gravel filling with approved quality 10mm size gravels brought from outside, complete as per directions of Engineer-in-charge	Cum	39	₹ 1,048.00	₹ 40,872.00
6	Providing Sand Filling below the foundations including watering, ramming, consolidating and dressing complete	Cum	1180	₹ 1,512.84	₹ 17,85,151.20
7	Boring, providing and installation bored cast-in-situ reinforced cement concrete piles of grade M-30 of 600mm diameter and length below pile cap, to carry a safe working load not less than specified, excluding the cost of steel reinforcement and concrete but including the cost of boring with bentonite solution, empty boring, chipping and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. by Crawler mounted, telescopic boom hydraulic piling Rig all complete, including removal of excavated earth with all its lifts and leads (length of pile for payment shall be measured up to bottom of pile cap). Note: Truck Mounted rotary/TMR/Tube well boring machine shall not be used.	RMT	4140	₹ 1,581.72	₹ 65,48,320.80
8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	Cum	204	₹ 4,783.38	₹ 9,73,417.83
9	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - Plain Cement Screen Concrete (PCC): 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	CUM	520	₹ 4,428.24	₹ 23,02,684.80
10	Reinforced Cement Concrete (RCC): Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering,shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.				
a	all works upto plinth level	CUM	786.87	₹ 6,078.66	₹ 47,83,115.19
b	all works above plinth level	CUM	1853.43	₹ 7,212.34	₹ 1,33,67,567.33
11	Reinforced Cement Concrete (RCC): Providing and laying in position machine batched and machine mixed design mix M-30 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering,shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.	CUM	1169.96	₹ 7,313.43	₹ 85,56,449.82

Sl. No.	Description	Unit	Quantities	Rate	Amount
12	Reinforced Cement Concrete (RCC): Providing and laying in position machine batched and machine mixed design mix M-40 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge	CUM	1988.00	₹ 7,511.63	₹ 1,49,33,120.44
13	Reinforcement: High strength corrosion resistance coated deformed TMT bar (Fe 500 D Grade.as per IS 1786) Reinforcement for all RCC items including decoiling, cutting, hooking, bending, cranking including tying system with binding wires.	MT	724.43	₹ 62,760.00	₹ 4,54,65,076.18
14	SHUTTERING: Centering and shuttering including strutting, propping etc. and removal of form work for :				
a	Columns, piers, abutments, pillars, posts and struts	Sqm	11550.00	₹ 562.98	₹ 65,02,419.00
b	All works upto plinth level	Sqm	4234.20	₹ 215.57	₹ 9,12,766.49
c	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plint and string courses fillets, kerbs and steps etc	Sqm	19705.28	468.7	₹ 92,35,667.68
15	Bituminous Paint: Providing and applying 2 coats of Bituminous Paint on conc below GL including top surface of foundations with coal tar at least 1.2 kg/m2 per coat.	Sqm	5002.00	₹ 176.00	₹ 8,80,352.00
16	MASONRY WORK Specifications of bricks shall be fly ash building bricks of Class 7.5 confirming to IS: 13757, at all heights and depths for retaining walls, wall footings, parapets, partitions, steps, drains, manholes, trenches, etc. including raking out joints staging scaffolding and curing, etc complete as specified				
a	a) 230 mm thk brick masonry in CM 1:5	Cum	641.00	₹ 6,200.00	₹ 39,74,200.00
b	b) 345 mm thk brick masonry in CM 1:6	Cum	230.00	₹ 6,200.00	₹ 14,26,000.00
17	Providing and laying Damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size	Sqm	149.00	₹ 316.58	₹ 47,170.42
18	18 mm cement plaster outside in CM 1:6: 18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 fine sand) finished rough with spinge.	Sqm	3480.00	₹ 323.30	₹ 11,25,084.00
19	12 mm cement plaster inside in CM 1:4: 12 mm cement plaster of mix 1:4 (1 cement : 4 fine sand)	Sqm	27380.80	₹ 206.40	₹ 56,51,397.12
20	6 mm in ceiling with CM 1:3	Sqm	2374.00	₹ 177.14	₹ 4,20,530.36
21	Water Proof cement Plaster (15 mm thk.) inside the tank.	Sqm	535.00	₹ 263.66	₹ 1,41,058.10
22	POP Punning in two coats (2mm th finish surface) on the interior faces	Sqm	5521.00	₹ 150.01	₹ 8,28,205.21
23	Wall Finish: Premium anti algal weather proof acrylic emulsion exterior paint with Silicon additives	Sqm	3480.00	₹ 250.00	₹ 8,70,000.00
24	Oil Bound Distemper(OBD) paint in Switchgear , MCC rooms , staircase areas and office rooms (internal & ceiling) Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer	Sqm	5521.00	₹ 113.79	₹ 6,28,234.59
25	Finishing walls with water proofing cement paint of required shade New work (Two or more coats applied @ 3.84 kg/10 sqm)	Sqm	24233.80	68.32	₹ 16,55,653.22
26	IPS Floor finish with ironite hardner - 150mm thk. IPS with metallic hardener topping . i.e providing & laying 38mm thk concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) flooring plus 12mm thk ironite hardner 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications (To be used for floors of Switchgear rooms, electrolyser room, warehouse, workshop, pump house etc). This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	Sqm	2684.00	₹ 599.13	₹ 16,08,077.20
27	Providing and laying Acid Alkali Resistant Tiles 600x600mmx 15 Thk of an approved, quality, make, pattern and size for areas requireing chemical resistance conforming to IS:4457 including but not limited to provision of cement mortar(1:4) bedding 25mmthk, cutting , levelling, jointing, filling the joints in acid proof expoxy moprtar of approved colour& Shades,curing ,finishing etc. complete as per manufacturer's specificaion as directed by Engineer in charge.	sqm	253.00	₹ 1,797.45	₹ 4,54,754.94
28	Vitrified Tiles Flooring system with 15mm thk of 600 x 600 mm including skirting	Sqm	134.00	₹ 1,112.46	₹ 1,49,069.64

Sl. No.	Description	Unit	Quantities	Rate	Amount
29	False ceiling system with 15mm thk gypsum board in tile form of 600 x 600 mm panels with aluminium frame supports.	Sqm	273.00	₹ 1,800.00	₹ 4,91,400.00
30	Roof Waterproofing Over RCC surface: Water proofing in roof consist of Polyurethane (PU) water proof coating, single component (DFT 450 micron minimum) with 25 SWG chicken wire mesh laid to slope as directed by Engineer- In-Charge.	Sqm	1042.00	₹ 500.00	₹ 5,21,000.00
31	Windows: Electro colour coated (Anodised) aluminium frame glazed (glass min 4mm thk) window, including anodized aluminium grill, painting as per spec. and all other fittings.	Sqm	31.50	₹ 950.00	₹ 29,925.00
32	Aluminium Door: Providing and fixing in position anodised aluminium doors made of extruded tubular electrostatically powder coated (min. 30 microns) / anodised alluminium sections conforming to IS:733 and IS:1285 of "INDAL" or approved equivalent manufacturer with 6.3mm laminated safety glass at top conforming to IS:2553 fixed with rubber lining or EPDM gasket and extruded anodised alluminum beading, 100 x 45 mm bottom rails, 6.3 mm thick laminated glass glazing for top portion, bottom portion provided with 18 gauge aluminium sheet on both the sides with plywood packing in between, 2 Nos. full width handles 150 mm wide x 12 mm thick to each shutter including all accessories like , beadings, locking in arrangement, etc complete.	Sqm	92.50	₹ 750.00	₹ 69,375.00
33	ROLLING SHUTTER as per IS: 6248: Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x0.90 mm M.S. laths with 0.90 mm thick top cover including painting & all other fittings	Sqm	4.20	₹ 1,903.23	₹ 7,993.57
34	Structural Steel: Fabrication and erection of structural steel (Grade - E250) conforming to Grade - A/BR, Semikilled / killed of IS-2062. Plates beyond 12 mm & upto 40 mm shall be normalised rolled. Plates beyond 40 mm shall be vacuum degassed & furnace normalised. The painting for structural steel works shall be as per follows - a) Surface preparation - Blast cleaning of steel surfaces up to Sa 2 ½ standard. b) Primer- Inorganic Zinc Silicate (65 DFT) c) Intermediate Coat: 2nd coat of HB Epoxy MIO2(100 DFT) d) Finish Coat-Two pack Acrylic Polyurethane Paint (50 DFT) e) Total DFT as 215 microns (minimum).	MT	143.00	₹ 1,80,000.00	₹ 2,57,40,000.00
35	Grating :25mm thk electroforged steel grating with all fixtures.	MT	1.00	₹ 99,610.00	₹ 99,610.00
36	Handrail 1m high with 32 dia NB (MED) GI Pipe verticals at 1.5m c/c, 32 dia NB (MED) GI Pipe as top and middle runners and 100mm x 6 mm MS toe plate including all painting works as defined for structural steel & all other fittings.	RM	153.00	₹ 700.00	₹ 1,07,100.00
37	M S Inserts with anchors and painting all complete Steel work welded in built up sections/ framed work, including cutting,hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.	MT	5.50	₹ 71,580.00	₹ 3,93,690.00
38	Chequered Plate 6thk all complete. Steel work welded in built up sections/ framed work, including cutting,hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.	MT	5.60	₹ 71,580.00	₹ 4,00,848.00
39	ISA 50x50x6mm RCC Fencing	MT	4.05	₹ 65,140.00	₹ 2,63,817.00
40	BOLTS				
a	a) 8.8 Grade bolts for permanent connection (GALVANISED)	MT	1.94	₹ 3,30,000.00	₹ 6,40,200.00
b	b) MS Foundation Bolts (4.6 grade)	MT	1.94	₹ 3,30,000.00	₹ 6,40,200.00
41	Providing corrugated galvalume sheets of approved colour , "METACOLOR" or equivalent fixing heads, neoprene washers, including laps and seals in accordance with Manufacturer's instructions including all fixtures like Barge board, Ridge piece, etc.				
a	a) for Roofing & side sheeting system base metal thickness shall be 0.5 mm	Sqm	1555.00	₹ 1,090.00	₹ 16,94,950.00
b	b) Flashing without corrugation	RM	2260.00	₹ 695.00	₹ 15,70,700.00
42	150 mm NB(M) PVC Pipe confirming ot IS-4985-2000 as downtake pipe with all fixtures.	RM	334.00	₹ 380.00	₹ 1,26,920.00
43	Water Stopper: 225 x 6mm thk PVC water stopper bar in liquid retaining structures	RM	65.00	₹ 1,450.00	₹ 94,250.00
44	PVC coated chain link fence : 3m height PVC coated chain link Fencing with galvanising & MS angle post ISA 65x65x6 at every 3m c/c along with foundations.	RM	82.00	₹ 5,500.00	₹ 4,51,000.00

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45	MS entry gates : Providing and fixing M.S. Gate consisting of 80 dia medium MS tube frame, 50mm X 6mm MS flats welded to frame with necessary MS clamps nuts, bolts, washers, hold fasts, 50 X 6 MS guide strips with hold fast, steel wheel, 2 coats of red oxide zinc chromate primer and two coats of aluminium paint of approved make with necessary fabrication, fixing, to required line and level drilling etc. complete as specified and directed.	Sqm	72.00	₹ 7,000.00	₹ 5,04,000.00
46	RCC Hume Pipe Providing and laying to slopes and at any depth confirming to IS458 Reinforced concrete pipes with collars including cutting out pockets for collars, jointing in 1:1 cement mortar, cutting of pipes wherever required, curing and testing of joints etc. complete as specified and directed (excavation and back filling shall be measured and paid under relevant item) NP2 Class 600mm dia RCC Precast pipe	RM	90.00	₹ 1,468.67	₹ 1,32,180.30
47	100 mm th paving with M20 grade Reinforced concrete underlaid by 50mm thk. PCC(1:2:4) in the plant area. The reinforcement shall be 8 dia bars @ 200 mm c/c in both directions centrally placed, complete as per direction of Engineer -in charge	SQM	9800.00	₹ 1,195.56	₹ 1,17,16,443.90
48	PLINTH PROTECTION : Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	SQM	451.00	₹ 477.16	₹ 2,15,199.16
49	False flooring system -Removable type flooring shall consist of fire resistant phenol formaldehyde bonded particle board panels 600x600x35mm size, mounted on steel pedestals of adjustable height and supporting steel grid system to provide under floor space. RCC floor slab shall be sunk to a depth 1200 mm which shall be height of the false floor system.	SQM	80.00	₹ 2,500.00	₹ 2,00,000.00
50	a) Open Brick Drain :Constructing open brick drain around the buildings as well as either side of approach roads of average size 450 X 500mm (average depth) laid over PCC 1:4:8 base block . Quantity per drain - PCC = 0.05 cum/m masonry works - 0.22 cum / m, plastering (12 mm th smooth finish) - 1.45 sqm / m	RM	1984.00	₹ 1,546.00	₹ 30,67,264.00
51	Gents Toilet with the following fixtures - 2 nos wash basin as per IS 2556 (IV), 2 nos frameless plate glass mirror, 1 hand dryer, 2 soap container, 2 flat back lipped front urinals of Hindustan Sanitaryware or equivalent make and 1 WC (western type) of hindustan sanitaryware or equivalent make complete with all pipe fittings & fixtures	Nos.	3.00	₹ 1,45,000.00	₹ 4,35,000.00
52	Ladies Toilet with the following fixtures -1 nos wash basin as per IS 2556 (IV), 1 nos frameless plate glass mirror, 1 hand dryer, 1 soap container and 2 WC (western type) of hindustan sanitaryware or equivalent make complete with all pipe fittings & fixtures	Nos.	2.00	₹ 1,45,000.00	₹ 2,90,000.00
53	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture ISA 50x50x6mm RCC Fncing	m2	180.00	₹ 98.04	₹ 17,647.20
54	INITIAL LOAD TEST :Carrying out load tests for initial vertical compression, pullout and lateral loading including all necessary equipment, tools and tackles, recording the pile load test results as per Consultant's specification and as directed by Engineer-in-Charge, and supplying the pile load test results in one original and three copies to the Consultant etc. complete on 600 mm diameter pile (Pile provision and installation to be paid under relevant items.)Test Loads shall be as per Geotechnical Requirements/ Specifications/Test loads shall be 2.5 times of design load whichever is higher.				
a	Compression:- Design Loads : Pv=200 MT	Nos.	2.00	₹ 5,00,000.00	₹ 10,00,000.00
b	Uplift :- Design Loads : Pu=75 MT	Nos.	2.00	₹ 2,00,000.00	₹ 4,00,000.00
c	Lateral:- Design Loads : H=10 MT	Nos.	2.00	₹ 35,000.00	₹ 70,000.00
55	ROUTINE LOAD TEST :Carrying out pile load tests on working piles for routine vertical compression, pullout and lateral loading including all necessary equipment , tools and tackles, recording the pile load test results as per Consultant's specification and as directed by Engineer-in-Charge, and supplying the pile load test results in one original and three copies to the Consultant etc. complete on 600 mm diameter pile.Test Loads shall be as per Geotechnical Requirements/ Specifications /Test loads shall be 1.5 times of design load whichever is higher.				
a	Compression:- Design Loads : Pv=120 MT	Nos.	4.00	₹ 3,50,000.00	₹ 14,00,000.00
b	Uplift :- Design Loads : Pu=45 MT	Nos.	4.00	₹ 2,00,000.00	₹ 8,00,000.00
c	Lateral:- Design Loads : H=6 MT	Nos.	4.00	₹ 40,000.00	₹ 1,60,000.00

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56	PILE INTEGRITY TEST : Conducting pile integrity load test by means of Sonic Pile testing Equipment (NDT test) or Design Equivalent test for 600 Dia Pile to measure Quality of pile construction, correctness of pile length, Integrity along pile length & location of major defects along pile which may not only affect its load carrying capacity but also have future implication with respect to durability & Reinforcement corrosion including all necessary arrangements such as small impact device (Hammer), highly sensitive accelerometer, Pile integrity tester, signal conditioning center, PIT Processor, an output device such as plotter	Nos.	207.00	₹ 595.00	₹ 1,23,165.00
57	Main Road : Providing and laying 6m wide RCC road with 1m wide shoulder on either side as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/camber, finishing with required texture, curing, making provision for contraction/expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge . Specifications as below - For road - a) 200 mm th M40 RCC road with 10 dia bars @ 200 mm c/c both sides at center. b) Underlaid by 50 mm th PCC (1:3:6) c) Underlaid by 230 mm th graded stone boulders (approx 200 mm size max) Specifications for shoulder - Paver blocks at top, underlaid by 50 mm th PCC (1:3:6)	RM	730.00	₹ 16,968.00	₹ 1,23,86,640.00
58	Approach Road : Providing and laying 3.5 m wide RCC road with 1m wide shoulder on either side as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/camber, finishing with required texture, curing, making provision for contraction/expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge . Specifications as below - For road - a) 200 mm th M40 RCC road with 10 dia bars @ 200 mm c/c both sides at center. b) Underlaid by 50 mm th PCC (1:3:6) c) Underlaid by 230 mm th graded stone boulders (approx 200 mm size max) Specifications for shoulder - Paver blocks at top, underlaid by 50 mm th PCC (1:3:6)	RM	115.00	₹ 10,959.00	₹ 12,60,285.00
59	Roof extractors - 4000CFM capacity aluminium fan, axial flow upward type, ceiling mounted on inclined portion for industrial use with weather protection cowl. Motor shall be designed for zone II C category	Nos.	16.00	₹ 6,800.00	₹ 1,08,800.00
60	UPVC Pipe of approved material for Sewage lines including with laying and installation.	RM			
a	300mm dia	RM	10.00	₹ 400.00	₹ 4,000.00
b	200mm dia	RM	40.00	₹ 400.00	₹ 16,000.00
61	Supplying Decorative Ornamental Fiber Rotomould pot for plants of different Size as Directed by Engineer Incharge				
a	Approx Size of 0.50 X 0.50 X 0.50 mt	Nos.	200.00	₹ 4,800.00	₹ 9,60,000.00
b	Approx Size of 0.90 X 0.30 X 0.30 mt	Nos.	100.00	₹ 3,900.00	₹ 3,90,000.00
c	Approx. Size of 0.75 X 0.30 X 0.30 mt	Nos.	100.00	₹ 3,200.00	₹ 3,20,000.00
d	Approx. Size of 0.30 X 0.40 X 0.35 mt	Nos.	100.00	₹ 2,800.00	₹ 2,80,000.00
e	Approx. Size of 0.62 X 0.39 X 0.53 mt	Nos.	100.00	₹ 4,400.00	₹ 4,40,000.00
62	Supplying & Planting Different Varieties Of Decorative Plants of different height in Landscaping Area with Sweet Earth Manure as Directed by Engineer Incharge.				
a	Approx Size 0.60mtr	Nos.	4320.00	₹ 150.00	₹ 6,48,000.00
b	Approx Size 0.90mtr	Nos.	400.00	₹ 900.00	₹ 3,60,000.00
c	Approx Size 1.20mtr	Nos.	400.00	₹ 1,200.00	₹ 4,80,000.00
d	Approx Size 1.50mtr	Nos.	200.00	₹ 1,800.00	₹ 3,60,000.00
e	Approx Size 1.80mtr	Nos.	200.00	₹ 2,000.00	₹ 4,00,000.00
f	Approx Size 2.40 mtr	Nos.	100.00	₹ 2,500.00	₹ 2,50,000.00
g	Approx Size 3.00 mt	Nos.	100.00	₹ 2,800.00	₹ 2,80,000.00
63	Supply of portable water with transportation from private wells for road side plantation and gardening at Project Site	KL	400.00	₹ 120.00	₹ 48,000.00

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64	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size. design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the Drawings	SQM	1440.00	₹ 680.00	₹ 9,79,200.00
65	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in- Charge	CUM	247.20	₹ 5,600.00	₹ 13,84,320.00
66	Collection of sweet earth with 5% manure (goat dropping and cow dung dried) free from foreign materials subject to the approval of Engineer-in-Charge including excavation, royalty loading, unloading, transportation, stacking, filling, spreading, watering etc., as directed	CUM	224.00	₹ 810.00	₹ 1,81,440.00
67	Supplying and spraying of medicine/ pesticides like rogar/victor / forete etc. for garden.	Per litre	20.00	₹ 825.00	₹ 16,500.00
68	Supplying and ploughing of carpet lawn including excavation and ploughing of grass, watering etc. complete on the place as directed by engineer incharge. (excluding the cost of water) including loading, un-loading and transportation.	SQM	1440.00	₹ 600.00	₹ 8,64,000.00
69	Providing and Fixing Artificial Vertical Grass for vertical gardening in required size and pattern with back support of Fibre cement sheet of 8 mm thick at erected MS vertical steel structure made of Hollow steel tube section etc complete with all labour and material as directed. (Excluding cost of Steel Structural)	SQM	208.32	₹ 3,500.00	₹ 7,29,120.00
70	Providing& fixing Sign Boards made out of 14 gauge aluminum sheet of req. size, bonded with coloured Retro-reflective sheeting having pressure sensitive adhesive, screen printed with desire letters of approved size & colour on approved background & fixing etc. as provided including designing the board as directed	SQM	44.65	₹ 3,645.00	₹ 1,62,756.54
71	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m to 4.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	RMT	3000.00	212.56	₹ 6,37,680.00
				TOTAL = Rs	₹ 22,05,75,546.00

I / we am / are willing to carry out this work at _____ % above / below (percentage should be written in figure & words). The tendered rates mentioned above amount of my/our tender are put as under.

Estimated amount put to tender Rs. _____
Deduct _____ % Below (-) Rs. _____
Net Amount Rs. _____
In words. (Rupees) _____

Estimated amount put to tender Rs. _____
Deduct _____ % Above (+) Rs. _____
Net Amount Rs. _____
In words. (Rupees) _____

Contractor

EXECUTIVE ENGINEER (P)
DEENDAYAL PORT AUTHORITY