

MAYAVAN PLOTS,VRINDAVAN,U.P.

S.NO	DESCRIPTION
	CIVIL WORKS
	IMPORTANT NOTES
i	The tender rates shall include supply of all materials unless mentioned otherwise including the cost of transportation, loading, unloading, wastage, stacking and storing and all types of taxes, duties, levies etc. required for execution of work.
ii	The tender rates shall hold good for all works of every section at all levels, all leads, all heights and all levels including multiple staging/scaffolding wherever required etc. complete. Nothing extra shall be payable unless or otherwise specified
iii	Contractor shall ensure for all safety norms carried out as directed by engineer in charge at no additional cost.
iv	Prior to submission of the bid it is advised that Contractor must visit site and acquaint with prevailing site conditions, nothing shall be paid extra on this account.
v	Cleaning and disposal of all Derbies/Malba/Unserviceable material within the site or outside will be in the scope of Contractor before handing over the Site/Building, as per the instructions from site in charge.
vi	All Basic rates mentioned in the BOQ are F.O.R. at site, inclusive of transportations, loading unloading, royalties, delivered at site, all applicable taxes, duties and levies but excluding wastage. The contractor shall get approval of material and rate from the Engineer-in-charge before procurement. Only the differential of the basic rate from that mentioned in the boq and approved rate of material shall be paid / deducted.
vii	Item Description of B.O.Q is summary only. The BOQ, Technical Specifications and tender Drawings are to be read in conjunction for pricing.
viii	Rates quoted shall include all leads, all lift, all heights/ depths, all levels and all shapes.
	Only Road Area Considered in shaded part
A	CONCRETE WORK (PLAIN AND REINFORCED)
	Rates Quoted Shall Include:
a)	Machine mixing consolidating by rolling/ vibrating and tamping, hoisting to all lifts, leads and curing.
b)	Preparing test cubes, getting tested the same as instructed including fees, cost etc.
c)	Working up or hacking of concrete surface for providing keys for further concrete finishes.
d)	All concrete surface shall be fairly even free from honey combing, loose concrete.
e)	Forming hole, openings and reconcreting at later stage if required.
f)	Leaving construction, expansion, dummy joints wherever directed.
g)	Building in or embedding ends of precast joints and other units as shown.
h)	Cement shall be OPC 43 grade unless specified otherwise and procured from list of mainstream manufacturers. Plasticizer if required shall be used and nothing extra shall be paid for this. All design mix shall be approved by client/PMC prior to use at work site.
i)	The work specified herein, shall be executed as per released for construction drawings and the technical specifications given in this tender document.
j)	Sand used shall be coarse sand and aggregate shall be hard crushed stone, in accordance with the requirements of relevant code.
K)	In all RCC & PCC work, rate shall be exclusive of reinforcement and form work which are payable under separate item unless included in the item description.
l)	In all RCC & PCC work, rate shall be inclusive of top finishing.
m)	The concrete shall be mechanically mixed means batching plant and vibrated.
n)	All heights, all depths, all level and all shape, all lead & all lifts
o)	Providing expansion or construction joints as per drawing or direction of the Engineer-in-Charge. Expansion joints shall be measured and paid under relevant items.
p)	Work in narrow widths, small quantities and curved alignments.
q)	Removal of sliding earth while doing work in foundation is the responsibility of Contractor and nothing extra shall be paid on this account.
r)	The Contractor at his own cost shall establish a batching plant complete with testing facilities of appropriate quantity at site for producing concrete for all RCC works.
S)	Nothing extra shall be paid for working space required for supporting the shuttering in foundations.
t)	Cutout in RCC slab, parapet, wall for rain water pipe or spout shall be provided at the time of casting concrete or raising masonry without any extra cost. The cutout will be made good after fixing the pipe.
u)	Grooves, chamfers edges, drip-moulds, moulds up to 40x40mm, curved surface shall be made as per drawing design or as per instructions of the Project Manager/Engineer-in-charge's Consultant in RCC members without any extra payment.
v)	Preparation of bar bending schedules and material takeoff lists.
w)	In all PCC work, rate shall be exclusive of reinforcement and form work which are payable under separate item unless included in the item description.
x)	In all PCC work, rate shall be inclusive of top finishing
y)	Unless specified otherwise in drawing, the nominal size of graded stone aggregate for concrete work shall be as outlined below:
i	50mm thick PCC : 20 down
ii	75 & 100mm thick PCC : 40 down

S.NO	DESCRIPTION
1	Providing & laying in position plain cement concrete of specified grade in raft, bases of column footings, brick wall footing, base of floor, as screed over areas to make up levels or to form slopes, laid to required levels and grade at all locations, consolidated finished fair and cured including side forms as required complete.
a	Concrete mix 1:4:8 (1 cement: 4 coarse sand: 8 graded stone aggregate 40 mm nominal size)
B	ROADWORKS (Road with plot entry)
1	Excavation for roadway in soil with hydraulic excavator including cutting and loading in tippers, trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections and transporting to the embankment location with all lifts and lead, complete as per drawing, specification and instruction of Engineer-in-charge.
2	Supplying, Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne capacity in stages to proper grade and camber, including the cost of providing, applying and brooming requisite type of screening / binding material(chips & approved quality moorum binder & soil) to fill up interstices of coarse aggregate, watering and compacting each layer to the required density as per relevant IS code, finishing the surface proper grade & layer, hand picking ,sorting complete with all respect for all leads
a	First layer WBM - 150 mm thick (consolidated thickness) with stone agg. of size range 90 to 45 mm
b	Second layer WBM - 150 mm thick in two layer,75 mm thick each (consolidated thickness) with stone agg. of size range 63 to 40 mm
3	Providing and laying premix bituminous carpet surfacing (Black top)(50 mm th.) with stone chippings as/ specs.
4	Providing, laying and rolling of open graded premix surfacing of 20mm thickness composed of 13.2 mm to 5.6 mm aggregates using penetration grade bitumen to the required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with smooth wheeled roller, finish to required levels and grade. Complete in all respect as per drawing, specification and
5	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 1:4 (1 cement: 4 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). The rate is inclusive of transportation loading, unloading ,storing of precast curb stone and all labour & material, excavation for kerb back filling ,disposal of surplus material,300 mm wide ,75 mm thk. ,PCC in 1 : 5:10 (1 cement : 5 fine sand : 10 stone aggregate 40 mm nominal size)
a	Precast concrete kerb stone as/ dwg. & detail
b	Precast concrete kerb edge as/ dwg. & detail
6	Providing and laying 50mm thick gravel bed (mix sizes of 35 mm - 50 mm) over saucer drain AS/SPECS
7	Bulk Excavation
	Earth work in excavations (Large quantity) in all kind of soil (excluding rock and boulders) by mechanical means (Hydraulic excavator) / manually up to all depths below the existing ground level including dressing of sides and leveling, grading, ramming of bottom, removal of slurry generated while excavation, taking out the excavated soil including all leads and all lifts as shown in drawing/as directed by Engineer-in-charge, shoring planking, dressing of sides in tapper to make the angle of repose, strutting, dewatering of both ground and surface water etc. the excavation shall be paid from the said recorded level only. Nothing shall be paid an account of any working space etc. the item rate shall includes backfilling/refilling with available excavated earth excluding rock in layers not exceeding 20 cm. in depth and rammed, watered and consolidated complete to achieve at least 95% maximum dry density (proctor density) for each deposited layer complete for all depths, all levels, all leads and all lifts as shown in drawing / as directed by Engineer-in-charge. the rates includes of disposal or dumping of surplus excavated earth (after refilling) of all kinds of soil up to disposal point as directed by Engineer-in-charge with in campus boundary. Disposed earth to be neatly leveled and dressed. the item rates includes of transportation, loading, unloading, labour for leveling etc. complete with all respect as per Note: Clearance of vegetation, shrubs, hedges etc. from excavated zone to be neatly leveled, dressed & compacted.
	TOTAL