

### SCHEDULE - A

**NAME OF WORK: Construction of Check Dam across the Odai in S.F.No.195 near Kampathumadai in Arisipalayam Village in Madukkarai Taluk of Coimbatore District**

Item No.	Approximate Quantity in figures & Words	Description of Work	TNBP Specification No.	Rate in figures & in Words (Rs.)	Unit of measurement in figures & in words	Amount (Rs.)
1	2500 M <sup>2</sup> (Two thousand and five hundred square metre only)	Clearing Juliflora jungle with uprooting and destroying the same effectively etc., complete complying with standard specifications and as directed by the departmental officers.	Sec-II SS-16		1 M <sup>2</sup> ( One square metre only)	
2		Earth work excavation and depositing on banks with initial lead of 10 m and initial lift of 2 in sand, silt or other loose soil, wet sand or silt not under water, light black cotton soil, sandy loam and ordinary soil, including excavated earth and hard stiff clay, stiff black cotton, hard red earth, shales, murram, gravel, stony earth and earth mixed with small size boulders, soft disintegrated rock, laterite, soft rock or kankar not requiring blasting etc., complete complying with standard specifications and as directed by the departmental officers.				
	4310 M <sup>3</sup> (Four thousand three hundred and ten cubic metre only)	Open excavation(Upto DBL)	Sec- III SS-20B		1 M <sup>3</sup> ( One cubic metre only)	
3	120 M <sup>3</sup> (One hundred and twenty cubic metre only)	Cement concrete 1:3:6 ( one cement three sand and six aggregate) with well graded aggregates and the maximum nominal size of coarse aggregate of 40mm and down graded to IS specified grading and mixing by mixer machine (to produce concrete of the specified grading and characteristic strength of 10N/mm <sup>2</sup> at 28 days) including dewatering by bailing/ pumping wherever necessary laying the concrete in layers and in bays with all leads and lifts, vibrating, compacting, and finishing the surface watering curing, for various depth and height below and above ground level so as to attain the profile and strength specified in the drawings etc., complete complying with standard specification and as directed by the departmental officers.	SS. 28 & 30		1 M <sup>3</sup> ( One cubic metre only)	

Contractor

No of over writings:

No of corrections:

No of omissions:

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Item No.	Approximate Quantity in figures & Words	Description of Work	TNBP Specification No.	Rate in figures & in Words (Rs.)	Unit of measurement in figures & in words	Amount (Rs.)
4		Cement concrete 1:2:4 ( one cement two sand and four aggregate ) with well graded aggregates and the maximum nominal size of coarse aggregate of 40mm and down graded to IS specified grading and mixing by mixer machine (to produce concrete of the specified characteristic strength of 15N/mm <sup>2</sup> at 28 days) including dewatering by bailing/ pumping wherever necessary laying the concrete in layers and in bays with all leads and lifts, vibrating, compacting, and finishing the surface watering curing, for various depth and height below and above ground level so as to attain the profile and strength specified in the drawings etc.,complete complying with standard specification and as directed by the departmental officers.				
a	900 M <sup>3</sup> (Nine hundred cubic metre only)	Below ground level upto 1.50 m	SS. 28 & 30		1 M <sup>3</sup> (One cubic metre only)	
b	206 M <sup>3</sup> (Two hundred and six cubic metre only)	Below ground level more than 1.50 m	SS. 28 & 30		1 M <sup>3</sup> ( One cubic metre only)	
c	882 M <sup>3</sup> (Eight hundred and eighty two cubic metre only)	Above ground level upto 4.50 m	SS. 28 & 30		1 M <sup>3</sup> ( One cubic metre only)	
d	60 M <sup>3</sup> (Sixty cubic metre only)	Above ground level above 4.50 m	SS. 28 & 30		1 M <sup>3</sup> ( One cubic metre only)	

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5	113 M <sup>3</sup> (One hundred and thirteen cubic metre only)	Providing and Laying in position, standardised plain cement concrete Mix - 20 grade in accordance with IS:456-2000, using 20mm and downgraded hard broken granite stone jelly for all works with minimum cement content of 325 kg/m <sup>3</sup> and maximum water cement ratio of 0.55, including admixture (plasticizer / super plasticizer ) in recommended proportions as per IS:9103 to accelerate ,retard setting of concrete, improve workability without impairing strength and durability with above (5.0 cu.m) 7730 kg of 20mm machine crushed stone jelly and with about (3.3 cu.m) 5156 kg of 10-12 mm machine crushed stone jelly and with about (4.79 cu.m ) 7670 kg of m sand , but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing, etc., and complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirement of IS standard.(No separate payment will be made by the Department for the excess usage of materials)	SS. 28 & 30		1 M <sup>3</sup> ( One cubic metre only)	
6	770 M <sup>2</sup> (Seven hundred and seventy square metre only)	Providing steel centering for cement concrete block, column, footing, pedestal, plinthbeam, grade beam etc.,which require nominal strutting etc, using MS sheets 10 gauge thick of size 90 x 60 cm stiffened with MS angle of size 25mm x 25mm x 3 mm laid over silver oak joists of size 10 cm x 6.5 cm spaced at 90 cm c/c duly supported and removing the strutting after specified period without damaging the concrete laid complete complying with standard specification and as directed by the departmental officers.	SS 30 & 86A		1 M <sup>2</sup> ( One square metre only)	

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Item No.	Approximate Quantity in figures & Words	Description of Work	TNBP Specification No.	Rate in figures & in Words (Rs.)	Unit of measurement in figures & in words	Amount (Rs.)
7		Providing Steel Centering for plain surfaces such as vertical wall, vertical slab, side slabs of boxing , vertical drops, fascia including strutting upto 3.29 m high using MS sheets, 10 gauge thick of size 90cm x 60cm, Stiffened with nominal strutting MS angles of size 25mm x 25mm x 3mm laid over silver oak joists of size 10 cm x 6.5 cm spaced at 90 cm c/c and supported by casurina props of 10 cm to 13cm dia spaced at 75 cm c/c and removing the centering and shuttering after specified period without damaging the concrete laid, complete complying with standard specification and as directed by the departmental officers.Plain vertical surface with Strutting.				
a	810 M <sup>2</sup> (Eight hundred and ten square metre only)	Above Ground Level upto 3.29m height	SS 30 & 86A		1 M <sup>2</sup> ( One square metre only)	
b	360 M <sup>2</sup> (Three hundred and sixty square metre only)	Above Ground Level above 3.29m height	SS 30 & 86A		1 M <sup>2</sup> ( One square metre only)	
8	336 M <sup>3</sup> (Three hundred and thirty six cubic metre only)	Jeddy stone dry packing for apron with stone of size greater than 300 mm & weight more than 40 kg obtained from approved quarries including cost of wedges for filling the gaps, conveyance of all materials and labour charges etc., complete complying with standard specification and as directed by the departmental officers.	Special		1 M <sup>3</sup> ( One cubic metre only)	
9	78 M <sup>3</sup> (Seventy eight cubic metre only)	Rough stone dry packing for Revetment using new hard granite stones including stacking the stones obtained from approved quarries including the cost of wedges for filling the gaps including cost and conveyance of all materials and all labour charges etc., complete complying with standard specification and as directed by the departmental officers.	SS.37A		1 M <sup>3</sup> ( One cubic metre only)	

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10	19 Qtl (Nineteen quintal only)	Supplying and fabrication of Steel required for all works involved in the schedule including cost of steel, cost of fabrication, labour charges for cleaning the rods straightening, cutting, bending, tying grills including overlapping to the required length wherever necessary and placing the reinforcement in position as specified in the drawings including cost of binding wire, provision of spacer bars, cover blocks and all other incidental charges etc. complete as per standard specification and as directed by the departmental officers.	SS. 86A		1 Qtl (One quintal only)	
11	324 M <sup>3</sup> (Three hundred and twenty four cubic metre only)	Supplying and filling with M sand for inverted filter in layers of not more than 15cm thick well watered rammed and consolidated etc., complete complying with standard specification and as directed by the departmental officers	Special		1 M <sup>3</sup> ( One cubic metre only)	
12	62 M <sup>3</sup> (Sixty two cubic metre only)	Supplying and Filling 20 mm and 40 mm Hard broken jelly for inverted filter with a thickness of 40 cm as a filter media for concrete blocks including cost of materials, conveyance, labour chargers for laying etc., Complete complying with standard specification and as directed by the departmental officers.	Special		1 M <sup>3</sup> ( One cubic metre only)	
13	20 Nos (Twenty numbers only)	Manufacturing supplying and placing in position of precast cement concrete block of size 1.50mX1.50mX0.90m made of PCC M15 design mix maximum nominal size of coarse aggregate of 40 mm and down grade to IS specified grading weigh batching the ingredients and mixing in approved batching plant ( to produce concrete of the specified characteristic strength of 15 N/mm <sup>2</sup> at 28 days) transporting to manufacture site in transit mixer and mechanised placement of concrete vibration, compaction and finishing watering, curing including moulding charges and finishing the exposed surfaces with cement mortar 1:3 12mm thick fixing steel rod of 25mm of required length to act as a hool for lifiting the CC block, lifiting and placing the CC block in POsition etc., complete complying with standard specification and as directed by the departmental officers.	Special		1 No (One number only)	

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14	17 M <sup>3</sup> (Seventeen cubic metre only)	Supplying and Filling the Gravel for apron and filling the gap between cement concrete block including the cost of gravel and stacking to the departmental gauge for premeasurement etc., complete complying with standard specification and as directed by the departmental officers.	Special		1 M <sup>3</sup> ( One cubic metre only)	
15	80 RM (Eighty running metre only)	Supplying and Fixing PVC pipes of size 75mm dia with ISI Standards (6 kg/cm <sup>2</sup> ) for pressure relief holes( weep holes) etc., including all labour charges for fixing etc., complete complying with standard specification and as directed by the departmental officers.	Special		1 RM (One running metre only)	
16	1800 M <sup>3</sup> (One thousand and eight hundred cubic metre only)	Earth work excavation deploying earth moving machinery for desilting channel and forming bund on either sides and depositing the earth on banks including jungle clearance etc.,complete complying with standard specifications and as directed by the departmental officers.(Having Width more than10 m)	Sec-III SS-20B		1 M <sup>3</sup> ( One cubic metre only)	
				<b>Total</b>	<b>Rs.</b>	
				<b>Add 12% for GST</b>	<b>Rs.</b>	
				<b>Total Value of Civil work including GST</b>		<b>Rs.</b>

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**Total Number of items : 16 (Sixteen only)**

Superintending Engineer, WRD,  
Bhavani Basin Circle, Erode -11