131/5011

# Government of Jammu and Kashmir OFFICE OF THE SUPERINTENDING ENGINEER, HYDRAULIC CIRCLE, RAJOURI.

Telephone/Fax No.01962-263219, e-mail: sehydcirclerajouri@gmail.com

# Sub: Accord of Administrative Approval

Administrative Approval is accorded to the Water Supply Scheme "DAROON" of PHE Division Nowshera, District Rajouri for an amount of Rs. 234.10 lacs (Rupees Two Hundred Thirty Four Lacs and Ten Thousand only) under NRDWP by debit to Major Head 4215 subject to following terms and conditions:-

- 1. That the works/habitations mentioned in the detailed project report are not covered under any other programme/Head of execution.
- 2. That the Accord of Administrative Approval does not entitle the executing agency to incur any expenditure in absence of release of funds.
- 3. That the expenditure to be incurred against the AA shall be in accordance with the standing procedures which besides others include fulfillment of all the codal procedures as required under rules.
- 4. That there shall be no deviation in account of provision as contained in the AA.
- 5. That the expenditure shall be restricted within the approved cost of the project and expenditure shall be made in accordance with the norms of the programme

Superintending Engineer

Hydraulic Circle

() Rajouri

No: SEHR/PHE/W-1/807-09

Dated: 06-09-2018

## Copy to the:

- 1. Accountant General, J&K Jammu for Information.
- 2. Chief Engineer, PHE Department, Jammu for Information.
- 3. Executive Engineer, PHE Division, Nowshera for information and n/a.



SERVINENT OF JAMMU & FOR

PUBLIC HEALTH ENGINEERING DEPARTMENT, JAMMU

PROJECT REPORT

WATER SUPPLY SCHEME DAROON UNDER NRDWP

> **Executive Engineer** PHE Division Nowshera

## SALIENT FEATURES

# ACCORD OF ADMINISTRATIVE APPROVAL WATER SUPPLY SCHEME DAROON (NRDWP)

1. Name of Scheme : Water supply scheme Daroon

2. Name of District : Rajouri

3. Name of Tehsil : Sunderbani
4. Name of Block : Sunderbani
5. Name of Constituency : Nowshera

6. Type of Scheme : Lift

7. Type of Source of Scheme : Surface Water 8. Proposed Source : Filtration Plant

9. Name of Habitations benefited with population as on 2012

S. No	Name of Panchayat	Name of village	Name of Habitatiion	Population 2001 AD	Present Pop. 2012 AD	Design Pop. 2027 AD		
1.	Daroon	Daroon	Daroon	822 Souls	1173 Souls	1905 Souls		
2.	Daroon	Daroon	Lower Daroon , Upper Daroon	250 Souls	357 Souls	580 Souls		
	FI	oating Popula	ation and New settler	nent	230 Souls 373 Sou			
			Total		1760 Souls	2858 Souls		

10. Present Population i.e. 2012 AD : 1760 Souls

11. Designed Population i.e. 2027 A.D : 2858 Souls

12. Proposed Rate of water supply : 09 GPD

13. Designed Water Requirement : 29580 GPD

14. Availability of Water : 50,000 GPD

15. Cost of Scheme : Rs. 234.10 lacs

16. Cost Per Capita on Present Pop. : Rs. 13301.00

17. Cost Per Capita on Designed Pop. : Rs. 8191.00

Asstt. Executive Engineer
PHE Sub Division

Sunderbani

Executive Engineer

Nowshera

# PROJECTED POPULATION, WATER REQUIREMENT AND FEASIBILITY REPORT FOR WATER SUPPLY SCHEME DAROON

#### FEASIBILITY REPORT

Percentage decadal growth rate of district Rajouri

1991-2001

= 25.71%

2001-2011

= 32.93%

As per census 2001 Population of Habitation Daroon

= 822 Souls

Habitation of Upper Daroon & Lower Daroon

= 250 Souls

Total

= 1072 Souls

### POPULATION BASED ON GROWTH RATE

Present Population as on 2012 AD =  $1072 \times (1 + 3.29/100)^{11}$ 

= 1530 Souls

Present Population as on 2027 AD =  $1530 \times (1 + 3.29/100)^{15}$ 

= 2485 Souls

Floating Population @ 15% of designed Population

= 373 Souls

Total

= 2858 Souls

## REQUIREMENT OF WATER

Total Designed Population of 2027 AD

= 2858 Souls

Proposed rate of water supply/Capita/day

= 09 GPD

Total requirement of water per day

= 25722 GPD

Water available from source proposed source

= 50,000 GPD

The scheme has been framed to cover the Main habitation of Daroon along with adjoining habitations of Upper Daroon and Lower Daroon which at present has no piped water supply. The Proposed source i.e. percolation well with an anticipation discharge of 50,000 Glns per day shall cater to the water requirement of the scheme. Hence the scheme is feasible.

## STORAGE REQUIRED

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Total ultimate demand of water = 25722 GPD

Add 15% losses for wastage, leakage etc. = 3858 GPD

Total = 29580 GPD

Storage for half day demand = 14790 GPD

Hence Proposed storage 02 No's 10, 000 Gallons Ground Storage Reservoir

J.E.

Asstt. Executive Engineer
PHE Sub Division
Sunderbani

PHE Division
Nowshera

# TECHNICAL REPORT

# ACCORD OF ADMINISTRATIVE APPROVAL FOR WATER SUPPLY SCHEME DAROON NRDWP)

1. Name of the Scheme

: Water Supply Scheme Daroon

2. Authority

: Government of Jammu & Kashmir

3. Name of District

: Rajouri

4. Name of Tehsil

: Sunderbani

5. Name of Constituency

: Nowshera

6. Scope of the Scheme

: Daroon

S. No	Name of Panchayat	Name of village	Name of Habitatiion	Population 2001 AD	Present Pop. 2012 AD	Design Pop. 2027 AD		
1.	Daroon	Daroon	Daroon	822 Souls	1173 Souls	1905 Souls		
2.	Daroon	Daroon	Upper Daroon, Lower Daroon	250 Souls	357 Souls	580 Souls		
	FI	loating Popul	87 Souls 373 Soul					
			Total		1760 Souls	1905 Souls		

7. Location

: Water supply Scheme Daroon is located on North East of Sunderbani town and is about 28 kms from Sunderbani. It is further linked on right side of Rajouri National Highway by Pacca and Kachha Road.

8. History & Necessity

: The village Daroon having population of 1760 souls at present is without tapped water supply as a result of which, the people are suffering a lot. At present, they are dependent on a local spring which is also not having sufficient water and cannot meet up the demand of the people.

Moreover, they have to carry the water from this source on foot for at least 1.50 Kms. The position becomes worse, particularly, in summer, when the spring water totally dries up

due to intensive heat. The people are approaching this department to formulate a water supply scheme so that they get sufficient water.

Keeping in view the above facts, it has become necessary to explore some perennial sources to provide adequate normal water supply to the public.

#### 8. Requirement of Water

Present population 2012 AD = 1760 souls
 Designed population 2027 AD = 2858 souls
 Design water requirement 2027 AD = 29580 gallons

To overcome the designed water requirement, it is necessary to explore some permanent/perennial source. Hence, a Rapid Sand Filtration Plant of 5000 GPH at Kalidub, Daroon is proposed with an expected discharge of 50000 gallons per day which meet up the requirement of water of this area.

## 9. Proposals

ro overcome the designed water requirement, it has been proposed to be construct a 5000 Gallons per hour capacity Rapid Sand Filtration Plant at Kalidab Daroon with an expected yield of about 50,000 gallons per day. It has been proposed to lift water for this scheme in two stages due to high static head. One number sump tank of 10,000 gallons capacity is proposed to be constructed near filtration plant from where the water shall be supplied to newly proposed sump tank 10,000 capacity at Stage-1 through well designed Rising Main. The water than shall be supplied to proposed Ground Storage Reserviors at Upper Daroon Lower Daroon of 10,000 gallons capacity each through well designed Rising main lines from where the water shall be supplied to the adjoining areas through well designed distribution system.

Creation of electric sub-stations of 100 KVA and 63 KVA capacities including laying of H.T lines and L.T line and near

filtration plant and Stage-1<sup>st</sup> have also been kept in the project. Provision for construction of Pump room near filtration plant and at Stage-1<sup>st</sup> have also been envisaged in the project. Provision for installation of Pumping machinery including Standby at Intake, Filtration plant and Stage-1<sup>st</sup> has also been kept in the Project. Provision for land compensation at filtration plant site and Stage -1<sup>st</sup> has also has also been kept in the project.

10. Estimated Cost

: The total estimated cost works out to the tune of Rs. 234.10 lacs

11.Time Of Completion

: The scheme shall be completed within two years subject to availability of funds and key construction material well in time.

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Asstt. Executive Engineer
PHE Sub Division
Sunderbani

PHE Division
Nowshera

# GENERAL ABSTRACT OF COST FOR WATER SUPPLY SCHEME DAROON UNDER NRDWP

S.	Name of Work	Estimated Cost (Rs. In lacs)
No. 1.	Cost for Construction of 5000 GPH Capacity Filtration plant including intake structure at Kali Dub.	Rs. 35.00 lacs
2.	Cost for construction of Pump room at filtration plant site and at stage 1st. 2No's @ Rs. 4.09 (Each)	Rs. 8.18 lacs
3.	Cost for Construction 01 No, 10,000 gallons capacity sump tank near filtration plant and stage 1 <sup>st</sup> . 2No's @ Rs. 3.71 (Each)	Rs. 7.42 lacs
4.	Cost for Construction of 10,000 Glns gallons capacity Ground Storage Reservoir at Upper Daroon and Lower Daroon. 2No's @ Rs. 3.81 (Each)	8.12 lacs Rs. 7.62 lacs
5.	Cost for providing and laying of Rising mains	Rs. 49.90 lacs
6	Cost for providing and laying of Distribution system	Rs.74.98 lacs
7.	Cost for creation Electric Sub-station including laying of LT and HT lines and transformer at filtration plant site and at stage 1st	Rs. 10.00 lacs
8	Cost for Providing and installation of Pumping machinery including standby at intake, base stage and at stage 1 <sup>st</sup> .	Rs. 30.75 lacs
9.	Cost for Land compensation	Rs. 6.00 lacs
	Total	Rs. 229.85 Lacs
	Add 2.5% work charge establishment and contingencies except item No. 8	Rs. 4.98 Lacs
	G.Total .	Rs. 234.82 Lacs

234.16 lacs

Say 234.80 Lacs

234.10 laes

J.E.

Asstt. Executive Engineer
PHE Sub Division
Sunderbani

Executive Engineer PHE Division

Sud Nowshera

# DETAILED ESTIMATE FOR PROVIDING AND INSALLATION OF PUMPING MACHINERY FOR WATER SUPPLY SCHEME DAROON

S.No.	Particulars	Amount
1.	Providing and installation of submersible pump set along with standby having specifications of 5,000 GPH and 30 mtr head including installation of preventive devices and testing at intake .	3.00 Lac
2.	Providing and installation of horizontal pump set along with standby having specifications of 5,000 GPH discharge and head of 275 mtr including installation of preventive devices and testing at base stage.	12.00 Lac
3.	Providing and installation of horizontal pump set along with standby having specifications of 5,000 GPH discharge and head of 200 mtr including installation of preventive devices and testing at stage 1st.	10.00 Lac
4.	Providing and installation of Voltage stabilizer along with electromechanical accessories at Filtration Plant and at stage 1 <sup>st</sup>	5.00 Lac
	Total	30.00 Lac
	Add 2.5% for work charge and contingencies	0.75 Lac
		30.75 Lac

Say Rs. 30.75 Lacs

A.E.

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Asstt. Executive Engineer
PHE Mech. Sub Division
Nowshera

Executive Engineer PHE Mech. Division

Rajouri

## **CERTIFICATE**

1. Name of scheme

Water Supply Scheme Daroon.

#### Certified that:-

- 1. The Proposed source of scheme is free from any dispute.
- 2. Discharge of proposed source is adequate and will cater the need of the designed population proposed to be covered under this scheme.
- 3. The source tapped will not adversely affect the water supply scheme (In case the same has been taped from the existing scheme).
- 4. The scheme has been properly investigated and proposals are viable from techno-economic consideration.

J.E.

Assistant Executive Engineer P.H.E. Sub Division Sunderbani. Executive Engineer
PHE Division
Nowshera

# <u>PLANT AND AT STAGE 1<sup>ST</sup> FOR WATER SUPPLY SCHEME DAROON</u>

S.No	Particulars	<u>Unit</u>	Rate in	Qty	Amount in
			Rs		Rs
1	Earth work in excavation in foundation trenches or drains				
	(not exceeding 1.5m in width as well as 10sqm on plan lift				
	upto 1.50m) including getting out the excavated soil for a				
	lead of 50m (in all kinds of soil 90% and soft rock 10%).				
	Long wall = 2 x 7.47 x 1.05 x 1.05 = 16.47 Cum				
	Short wall = 2 x 2.88 x 1.05 x 1.05 = 6.35 Cum				
	Drain = 2 x 8.65 x 0.90 x 0.30 = 4.67 Cum				
	= 2 x 4.15 x 0.90 x 0.30 = 2.24 Cum				
	Total = 29.73 Cum	Cum	120.34	29.73	3578.00
2	Providing and laying in position cement concrete 1:4:8 (1	Pgp%			
	cement: 4 coarse sand: 80 graded stone aggregate 40mm				
	nominal size) excluding cost of centering and shuttering all				
	works upto plinth level.				
	Long wall = $2 \times 7.47 \times 1.05 \times 0.15 = 2.35$ Cum				
	Short wall = 2 x 2.88 x 1.05 x 0.15 = 0.91 Cum				
	Drain = 2 x 8.65 x 0.90 x 0.10 = 1.56 Cum				
	$= 2 \times 4.15 \times 0.90 \times 0.10 = 0.74 \text{ Cum}$				
	U/s floor = 1 x 6.20 x 3.70 x 0.10 = 2.29 Cum				
	Total = 7.85 Cum	Cum	2098.70	7.85	16475.00
3	Providing and laying in position cement concrete 1:3:6 (1				
	cement: 3 coarse sand: 6 graded stone aggregate 20mm				
	nominal size) excluding cost of centering and shuttering				
	upto plinth level.				ι
	Long wail = 2 x 7.32 x 0.90 x 0.30 = 3.95 Cum				
	$= 2 \times 7.17 \times 0.75 \times 0.30 = 3.23 \text{ Cum}$				
	$= 2 \times 6.92 \times 0.60 \times 0.30 = 2.49 \text{ cum}$				
	$= 2 \times 6.87 \times 0.45 \times 0.45 = 2.78 \text{ cum}$				
	Short wall= $2 \times 3.03 \times 0.90 \times 0.30 = 1.64 \text{ cum}$				
	$= 2 \times 3.18 \times 0.75 \times 0.30 = 1.43 \text{ cum}$				
	$= 2 \times 3.42 \times 0.60 \times 0.30 = 1.23 \text{ cum}$				
	$= 2 \times 3.48 \times 0.45 \times 0.45 = 1.41 \text{ cum}$				
	Ramp = $1/2 \times 1.70 \times (0.60 \times 0.30) = 0.15 \text{ cum}$				
	Drain = (2x2)x 8.65 x0.30 x 0.45 = 4.67 cum				
	$= (2x2)x4.15 \times 0.30 \times 0.45 = 2.24 \text{ cum}$				
	= 25.22 cum				
	Deduct 20% boulders = (-) 5.04 cum				
	Total = 20.18 cum	Cum	2560.85	20.18	51678.00
4	Providing and laying damp proof course 40mm thick with				
	cement concrete 1:2:4 (1cement: 2 sand and 4 graded				
	stone aggregate 12.5mm nominal size).				
	Long wall = $2 \times 6.65 \times 0.23$ = $3.06 \text{ sqm}$				

	Short wall = 2 x 3.70 x 0.23 = 1.70 sqm				
	$D/d \text{ doors} = 1 \times 1.20 \times 0.23 = 0.28 \text{ sqm}$				
	Total = 4.48 sqm	Sqm	149.10	4.48	668.00
5	Brick work with F.P.S Brick of class designation 75 in				
	foundation and plinth in cement mortar 1:6 (1cement: 6			a de la companya de l	
	coarse sand).				
	Long wall = 2 x 6.65 x 0.23 x 3.00 = 9.18 cum				
	Short wall = 2 x 3.70 x 0.23 x 3.00 = 5.11 cum				
	Parapet = 2 x 7.55 x 0.23 x 0.30 = 1.04 cum			1	
	Parapet = 2 x 5.05 x 0.23 x 0.30 = 0.70 cum				
	D/d Door = 1 x 1.20 x 2.10 x 0.23 = (-)0.58 cum				
	Windows = 2 x 0.90 x 1.35 x 0.23 =(-)0.56 cum				
	Lintels = Qty vide item No 9 (b) = (-)0.20 cum				
	Total = 14.69 cum	Cum	2124.60	14.69	31210.00
6	Structural steel work welded in built up sections trusses			1	1.1 +0
	and framed works etc.		62.10		4456-
	Doors & Windows = 20.50 Rm @ 3.5Kg/m 71.75 Kg	Kg	65.50	71.75	4700.0
7	Providing and fixing 1mm thick MS Steel door with frame				
	of 40 x 40 x 6 mm angle iron and 3 mm M.S gusset plates			4	
	at the junction and corners all necessary fitting complete,	and the state of t			
	including applying a priming coat of approved steel primer				
	using MS angles 40 x 40 x 6 for diagonal braces.		210000	2 - 2	
	Door = 1 x 2.10 x 1.20 = 2.52 sqm	Sqm	2130.00	2.52	5368.00
	Windows = 2 x 0.90 x 1.35 = 2.43 sqm	Sqm	1965.00	2.43	4775.00
8	Centering and shuttering including strutting, propping etc				
	and removal of form work for shelves cost are:-				
a)	Slab = 6.20 x 3.70 = 22.94 Sqm				
	Projection=2 x (7.55 + 4.15) x 0.45 =10.53 Sqm	Cam	170 75	22.47	E003.0
h)	= 33.47 Sqm Edges = 2 x (7.55 + 5.05) = 25.20 RM	Sqm	178.75 50.10	33.47 25.20	5983.00 1262.00
b) c)		RM	50.10	25.20	1202.00
C)					
	$= 2 \times (1.50 \times 0.23) = 0.69 \text{ Sqm}$ Windows = $2 \times (0.90 \times 0.23) = 0.41 \text{ Sqm}$				
	$= 2 \times 2 \times (1.20 \times 0.23) = 1.10 \text{ Sqm}$				
	= 2.48 Sqm	Sqm	137.60	2.48	341.00
d)	Foundation = 2 x 2 x 6.43 x 1.50 = 38.58 sqm	34111	137.00	2.70	371.0
uj	= 2 x 2 x 3.92 x 1.50 = 23.58 sqm				
	Drain L/wall = 2 x 2 x 8.95 x 0.45 = 16.11 sqm				
	S/wall = $2 \times 2 \times 6.45 \times 0.45 = 11.61 \text{sgm}$				7
	Total = 89.88 sqm	Sqm	80.45	89.88	7231.0
9	Reinforced cement concrete 1:2:4 (1 cement: 2 coarse	34	55.15	23.00	. 202.0
	sand: 4 graded stone aggregate 20 mm nominal size) work				
	in beams, suspended floors, roofs having slope upto 15°,				
	landings balconies, lintels, plain window sills, staircase and				
	spiral stair cases upto floor five level excluding the cost of	and the factor of the factor o			
	centering, shuttering, finishing and reinforcement				

	Slab = 7.55 x 5.05 x 0.125 = 4.76 cum - (A)				
	Lintels = 1 x 1.50 x 0.23 x 0.23 = 0.07 cum				
	= 2 x 1.20 x 0.23 x 0.23 = 0.13 cum				
	Total = 0.20 cum - (B)		*		
	Total = 4.76 + 0.20 = 4.96 cum	Cum	3656.00	4.96	18134.00
.0	Reinforced for RCC work including straightening, cutting,				
	bending, placing in position and binding all complete(cold				
	twisted bars).				
	Qty vide item No. 8= 4.96 cum @ 0.80 Kg/cum				2222 22
	= 400 Kg	Kg	55.80	400.00	22320.00
1	Extra for brick work in super structure above plinth level				
	upto floor V Level				500000
	Qty vide item No. 5 = 14.69 Cum	Cum	341.75	14.69	5020.00
12	12 mm thick cement plaster in 1:4 cement mix (1 cement				
	:4 sand)				
	Ceiling = 6.20 x 3.70 = 22.94 sqm				2939.0
	Projections=2 x (7.55 + 4.15) x 0.45=10.53 sqm		87.80		
	Total = 33.47 sqm	Sqm	-87.60	33.47	2932.00
13.	15 mm thick cement plaster in 1:4 cement mix (1 cement				
	:4 sand)				
	Inner sides=2 x (6.20+3.70) x 3.00 =59.40 sqm				
	Outer Sides=2 x (6.65+ 4.15) x 3.40=73.44 sqm				
	Drain = 2 x 8.95 x 0.45 = 8.05 sqm				
	Drain = $2 \times 6.45 \times 0.45$ = $5.80 \text{ sqm}$				
	Parapet = 2 x (7.55+5.05) x 0.45 = 11.34 sqm				
	= 2 x (7.25+4.75) x 0.30 = 7.20 sqm				
	= 2 x (6.95+4.45) x 0.30 = 6.84 sqm				
	D/d Win. = $2 \times 0.90 \times 1.20$ = (-)2.16 sqm				1-1-1-7
	Doors = 1 x 1.20 x 2.10 =(-)2.52 sqm		102.50		17157,0
	Net Qty = 167.39 sqm	Sqm	_102.30	167.39	-17123.0
14	Cement concrete flooring 1:2:4 (1 cement: 2 coarse sand:				
	4 graded stone aggregate ) finished with a floating coat of				
	neat cement 40mm thick			+ -	
	Floor = $6.20 \times 3.70$ = $22.94 \text{ sqm}$	Sqm	196.75	22.94	4513.0
15	Making plinth protection 50mm thick cement concrete 1:				
	3 : 6 over 75mm of dry brick blasts 50mm nominal size				
	named and consolidated and granted with fine sand				
	including finishing.				
	$= 2 \times 8.65 \times 0.70 = 12.11 \text{ sqm}$				
	$= 2 \times 4.15 \times 0.70 = 5.81 \text{ sqm}$		200,30	-	3589.
	Total = 17.92 sqm	Sqm	-275.00	17.92	-4928.0
16	Dumping of stones including supply of stones			5.04	1020.
	Qty vide item No $3$ = 5.05 cum $5.04$	Cum	202.30	5.05	1022.0
17	White washing new work (three or more coats) with lime				
	to give an even shade				
	Room = $2 \times (6.20+3.70) \times 3.00 = 59.40 \text{ sqm}$				

	Ceiling = 6.20 x 3.70 = 22.94 sqm				
	Projections = 2 x (7.55+4.15) x 0.45=10.53 sqm		8,10		7-52-6
	Total = 92.87 sqm	Sqm	11.05	92.87	1026.00
18	Finishing wall with water proofing cement paints of				
	approved Brand and manufacturing to give an even shade				
	new with (two or more coats)				
	Outer Side = 2 x (6.65+4.15) x 3.40 = 73.44 sqm			-	
	Parapet =2 x (7.55+5.05) x 0.45 = 11.34 sqm				
	$= 2 \times (7.25+4.75) \times 0.30 = 7.20 \text{ sqm}$				
	$= 2 \times (6.95+4.45) \times 0.30 = 6.84 \text{ sqm}$				
	D/d Win. = 2 x 0.90 x 1.20 = (-)2.16 sqm				
	Doors = 1 x 1.20 x 2.10 =(-)2.52 sqm				_
	Net Qty = 94.14 sqm	Sqm	34.55	94.14	3252.00
19	Providing and fixing plain grills on windows/ventilators				
	frames cost of screws, nails and bolts etc		70.25		3512.0
	2 Nos @ 25 Kg/ per No. = 50 Kg	Kg	80.00	50.00	4000.00
20	Painting new metallic surface with two or more coats of				
	synthetic enamel of specified shade and brand to an even				
	shade, excluding priming and preparation of surface but				
	including propping and clearing		40.15	-	795.0
	Qty vide item No.7 = $4.95 \times (2+2) = 19.80 \text{ sqm}$	Sqm	-52.00	19.80	1030.00
21	Filling available excavated (excluding rock) in trenches,				
	plinth, sides of foundations etc in layers				
	Inside plinth = 6.20 x 3.70 x 0.35 = 8.02 cum				
	Foundation 30% of lst = 29.73 = 8.91 cum			-	
	Total = 16.93 cum	Cum	39.15	16.93	663.00

216661.00

00	6691-0	21			HART	APTION C	AL CONSUN	MATERIA							
cs	Brick	Aggregate		Aggregate	Rate	Sand	Rate	Cement	Rate	Qty	Detail	Item			
		20mm	40mm												No.
			6.98	0.89	3.69	0.47	1334.50	170	7.85	C.Conc.1:4:8	2				
	-	17.96		0.89	9.48	0.47	4439.60	220	20.18	C.Conc.1:3:6	3				
		0.04		0.01	0.10	0.023	71.68	16	4.48	C.Conc.1:2:4	4				
69	7007	-		-	3.82	0.26	881.40	60	14.69	Brick Work 1:6	5				
	-	4.41		0.89	2.23	0.45	1587.20	320	4.96	R.C.C 1:2:4	9				
	-	-		-	0.40	0.012	183.08	5.47	33.47	Plaster 12mm	12				
	-	-		-	3.18	0.018	1094.73	6.54	167.39	Plaster15mm	13				
	-	0.92		0.04	0.50	0.022	344.10	15.00	22.94	Flooring 1:2:4	14				
	7 -	0.72		0.04	0.43	0.024	197.12	11.00	17.92	Plinth Prot.	15				
-	7007	24.05	6.98		23.63	Kg	10073.41	Total							
7-	697	cum	cum		cum	s	= 201 bag	0133.41							

25. Carriage of cement in all terrains through a lead of 55 km by MT and 1500 mts by head load including cost of loading, 10.10 3693,00 unloading and stacking. = 10.05 MT MT 365.73 10.05 -3675.00 Carriage of steel in all terrains through a lead of 55 km by 26. MT and 1500 mts by head load including cost of loading, unloading and stacking. = 0.40 MTMT 519.75 0.40 208.00

					408788.00			
	Add 50% above SSR except item No 30 on Rs. 265854-			132927	132929.00			
	Total 275854-							
30.	Provision for electric fitting	L.S			10,000.00			
	and 1500 mts by head load including cost of loading, unloading and stacking. = 5.05 Cum	Cum	581.05	5.04	2928.00 _2934.00			
29.	Carriage of stones for an average distance of 30 km by MT	6						
28.	Carriage of bricks for an average distance of 80 Km by MT from nearest brick kiln and 1500 mts by head load including cost of loading and stacking.= 7007 Nos	1000 Nos	1534.01	6977 7007	10702-00			
29.	Carriage of sand by MT in all terrains through average distance up to 75 kms and 1500 mts by head load including cost of loading, unloading and stacking. = 23.63 cum	Cum	654.35	23.63	15462.00			
28.	Carriage of stone aggregate of max size up to 26.5 to 40mm by MT in all terrains through average distance up to 35 kms and 1500mts by head load including cost of loading, unloading and stacking. = 6.98 cum	Cum	554.15	6.98	3868.00			
27.	Carriage of stone aggregate of max size up to 6 to 26.5 mm by MT in all terrains through average distance up to 35 kms and 1500 mts by head load including cost of loading, unloading and stacking. = 24.05 cum	Cum	511.55	24.05	12302.00			

408781-60

Say Rs. 4.09 Lacs

J.E.

Asstt. Executive Engineer
PHE Sub Division
Sunderbani

PHE Division
Nowshera

